

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

[Re-accredited by NAAC with 'A +' Grade (4th Cycle)]

[College of Excellence (UGC)]

COIMBATORE-641029



**DEPARTMENT OF COMPUTER SCIENCE (UG)
BACHELOR OF SCIENCE (COMPUTER SCIENCE)
SEMESTER – VI
ADVANCED EXCEL LAB**

BONAFIDE CERTIFICATE

This is to certify that this is a Bonafide Record of Practical Work done by

NAME : _____

REGISTER NO : _____

Staff-in-charge

Head of the Department

Submitted for the End -of -Semester Practical Examination

held on -----.

Internal Examiner

External Examiner

ADVANCED EXCEL LAB

INDEX

S.NO	DATE	TOPIC	PAGE NO	SIGNATURE
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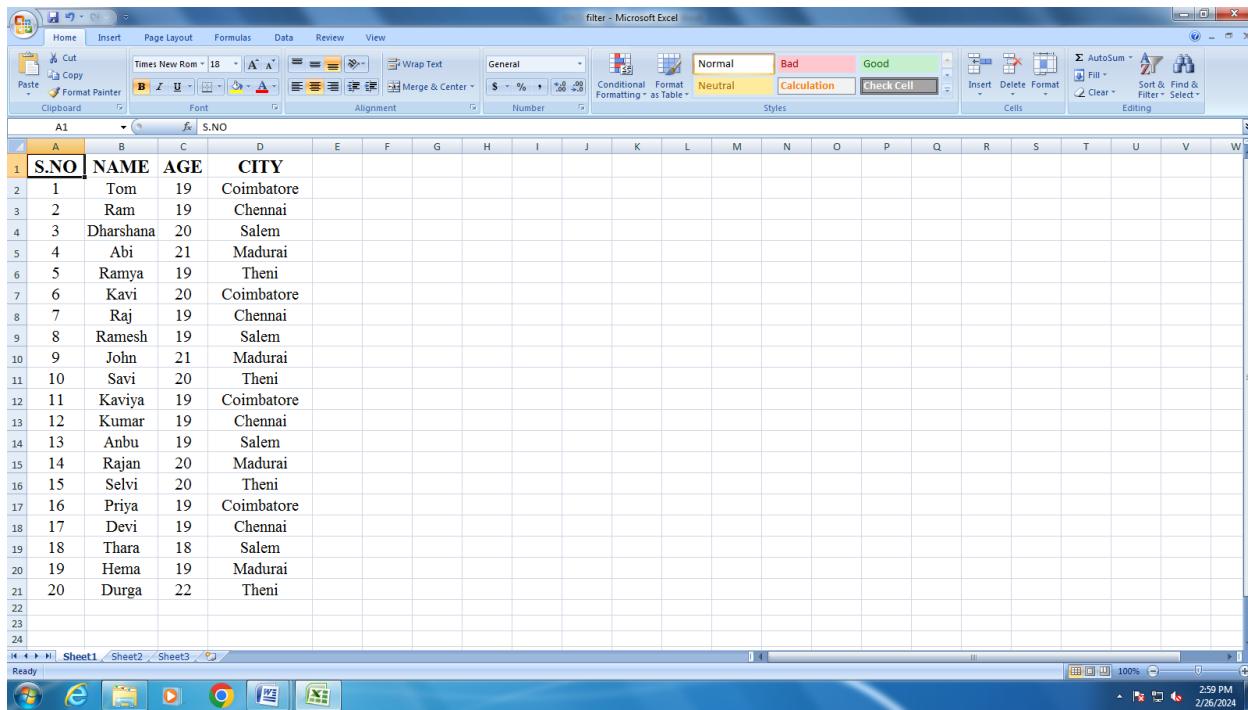
1.CREAT AN EXCEL SHEET AND ENTER YOUR OWN DATA WITH THE HEADERS NAME,AGE,CITY AND FILTER THE DATA BY CITY.

AIM:

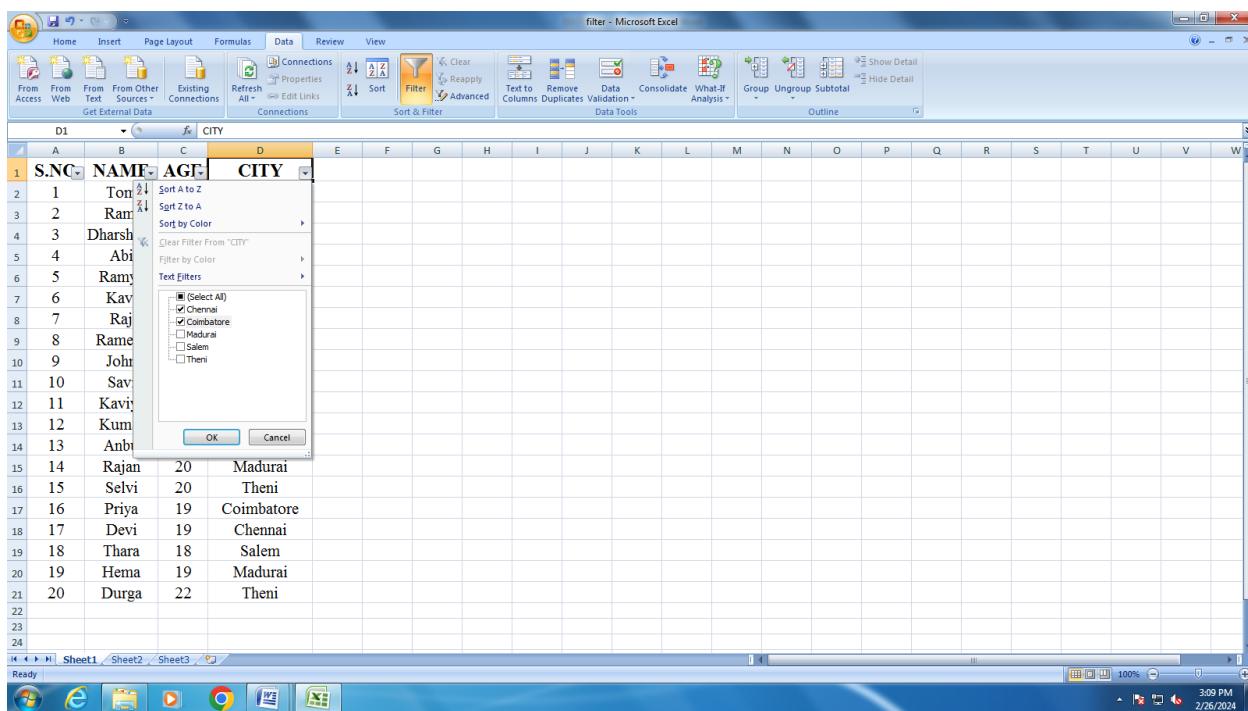
The aim is to create an excel sheet and enter your own data with the headers Name, Age, City and filter the data by city.

ALGORITHM:

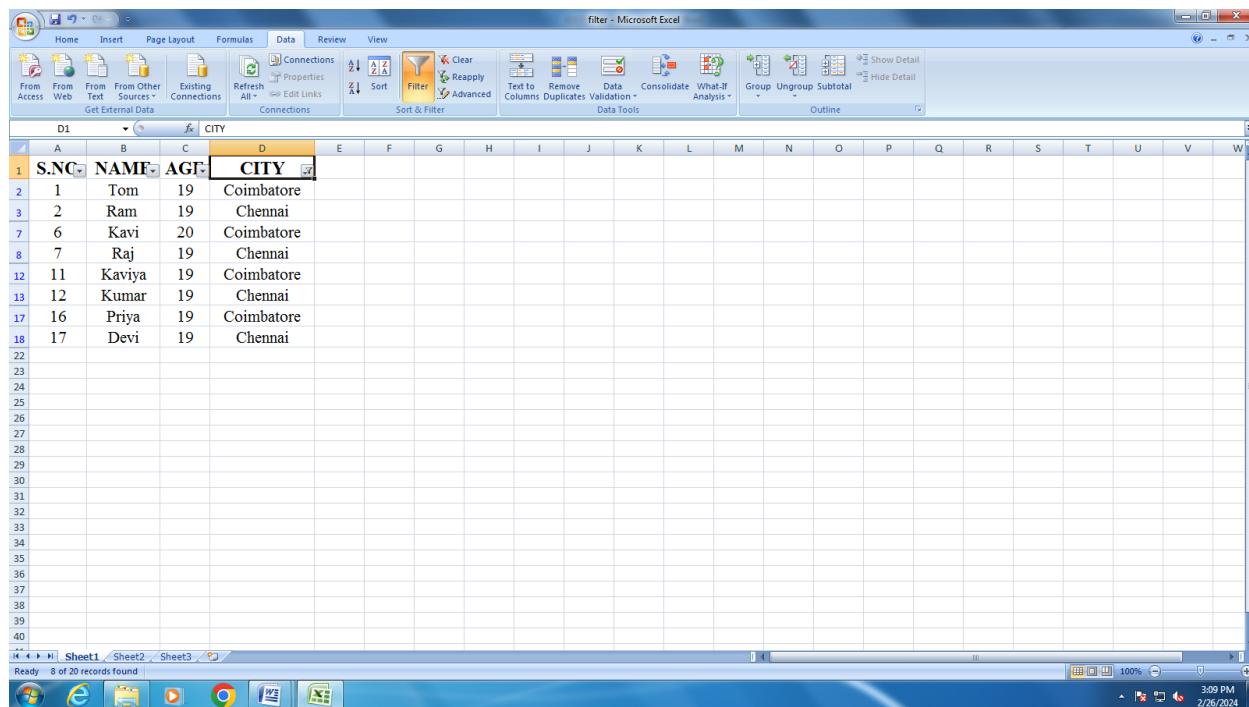
DATA:



S.NO	NAME	AGE	CITY
1	Tom	19	Coimbatore
2	Ram	19	Chennai
3	Dharshana	20	Salem
4	Abi	21	Madurai
5	Ramya	19	Theni
6	Kavi	20	Coimbatore
7	Raj	19	Chennai
8	Ramesh	19	Salem
9	John	21	Madurai
10	Savi	20	Theni
11	Kaviya	19	Coimbatore
12	Kumar	19	Chennai
13	Anbu	19	Salem
14	Rajan	20	Madurai
15	Selvi	20	Theni
16	Priya	19	Coimbatore
17	Devi	19	Chennai
18	Thara	18	Salem
19	Hema	19	Madurai
20	Durga	22	Theni



S.NO	NAME	AGE	CITY
1	Tom	19	Coimbatore
2	Ram	19	Chennai
3	Dharshana	20	Salem
4	Abi	21	Madurai
5	Ramya	19	Theni
6	Kavi	20	Coimbatore
7	Raj	19	Chennai
8	Ramesh	19	Salem
9	John	21	Madurai
10	Savi	20	Theni
11	Kaviya	19	Coimbatore
12	Kumar	19	Chennai
13	Anbu	19	Salem
14	Rajan	20	Madurai
15	Selvi	20	Theni
16	Priya	19	Coimbatore
17	Devi	19	Chennai
18	Thara	18	Salem
19	Hema	19	Madurai
20	Durga	22	Theni

OUTPUT:

The screenshot shows a Microsoft Excel spreadsheet titled "filter - Microsoft Excel". The data is organized into columns: S.N.C, NAME, AGE, and CITY. The CITY column is currently selected, indicated by a yellow background. The data consists of 18 rows, with the first 17 rows visible and the 18th row partially visible. The visible data is as follows:

S.N.C	NAME	AGE	CITY
1	Tom	19	Coimbatore
2	Ram	19	Chennai
6	Kavi	20	Coimbatore
7	Raj	19	Chennai
11	Kaviya	19	Coimbatore
12	Kumar	19	Chennai
16	Priya	19	Coimbatore
17	Devi	19	Chennai
22			
23			
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40			

**2.INSERT SERIES OF DATA IN A SHEET WITH THE COLUMNS
INVIOCE NO,INVOICE DATE,PARTYNAME AND AMOUNT AND SORT
THE DATA BY PARTYWISE AND THEN BY AMOUNTWISE IN
DESCENDING ORDER.**

AIM:

The aim is to Insert Series of Data in a Sheet with the columns Invoice No, Inv date, Partyname and Amount and then sort the data by Party-wise and then by Amount-wise in descending order.

ALGORITHM:

DATA:

sort - Microsoft Excel

Home Insert Page Layout Formulas Data Review View

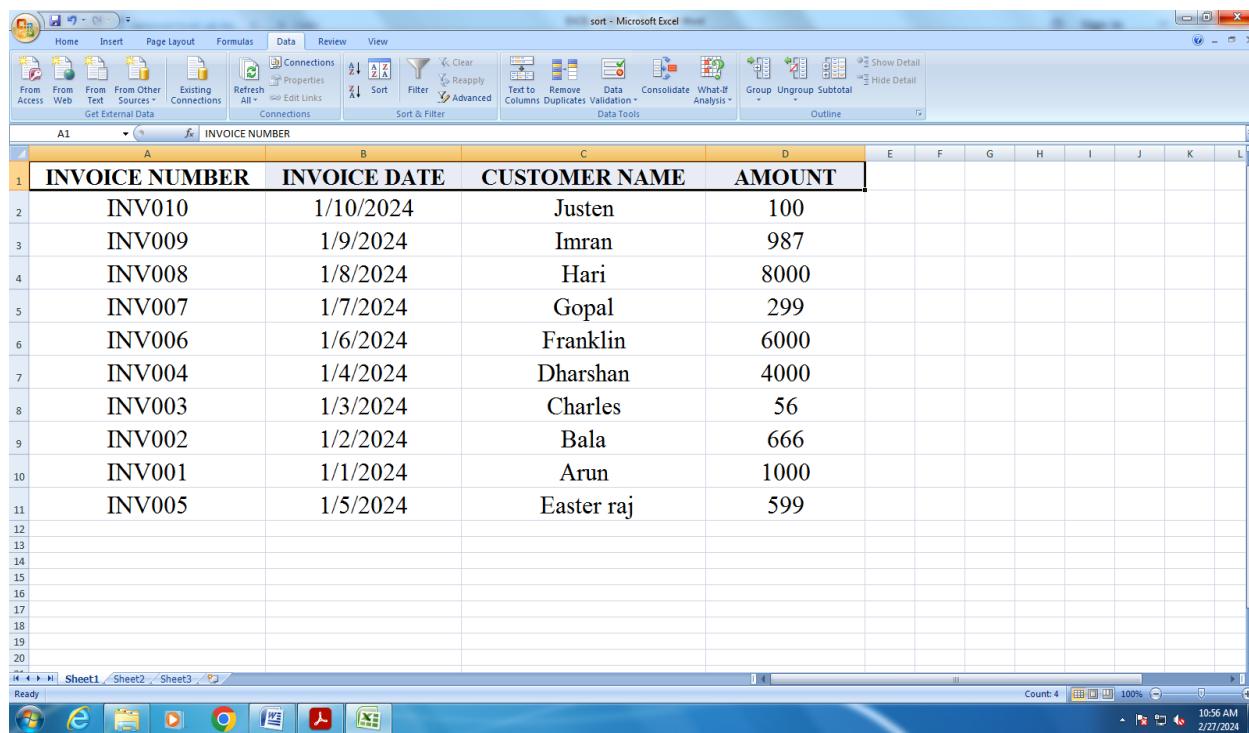
From Access From Web From Text From Other Sources Existing Connections Refresh All Properties Edit Links Reapply Clear Advanced Sort Filter Advanced Text to Columns Remove Duplicates Data Tools Consolidate What-If Analysis Group Ungroup Subtotal Show Detail Hide Detail Outline

A2 INV001

	A	B	C	D	E	F	G	H	I	J	K	L
1	INVOICE NUMBER	INVOICE DATE	CUSTOMER NAME	AMOUNT								
2	INV001	1/1/2024	Arun	1000								
3	INV002	1/2/2024	Rala	666								
4	INV003	1/3/2024										
5	INV004	1/4/2024										
6	INV005	1/5/2024										
7	INV006	1/6/2024										
8	INV007	1/7/2024										
9	INV008	1/8/2024										
10	INV009	1/9/2024	Imran	987								
11	INV010	1/10/2024	Justen	100								
12												
13												
14												
15												
16												
17												
18												
19												
20												

Sheet1 Sheet2 Sheet3

Count: 4 100% 10:54 AM 2/27/2024

OUTPUT:

The screenshot shows a Microsoft Excel spreadsheet titled "sort - Microsoft Excel". The data is presented in a table with the following structure:

	INVOICE NUMBER	INVOICE DATE	CUSTOMER NAME	AMOUNT
1	INV010	1/10/2024	Justen	100
2	INV009	1/9/2024	Imran	987
3	INV008	1/8/2024	Hari	8000
4	INV007	1/7/2024	Gopal	299
5	INV006	1/6/2024	Franklin	6000
6	INV004	1/4/2024	Dharshan	4000
7	INV003	1/3/2024	Charles	56
8	INV002	1/2/2024	Bala	666
9	INV001	1/1/2024	Arun	1000
10	INV005	1/5/2024	Easter raj	599
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

The Excel interface includes a ribbon with tabs like Home, Insert, Page Layout, Formulas, Data, Review, and View. The Data tab is selected, showing various data analysis tools. The status bar at the bottom right shows the date and time as 10:56 AM, 2/27/2024.

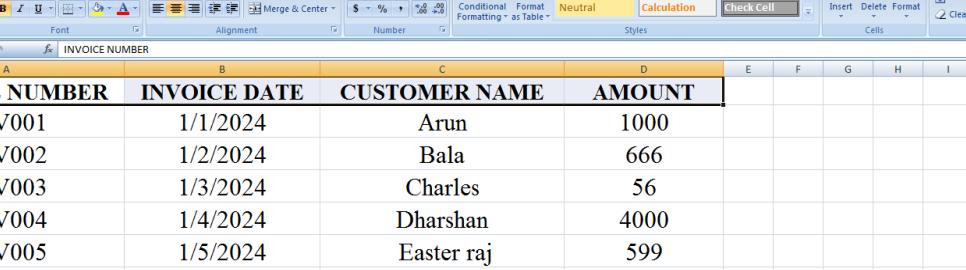
3. TO INSERT SERIES OF DATA IN A SHEET WITH THE COLUMNS INVOICE NO, INV DATE, PARTYNAMES AND AMOUNT. INSERT A SUB TOTAL REPORT FOR THE DATA AND DISPLAY ONLY PARTY-WISE BREAKUP.

AIM:

The aim is to insert series of data in a sheet with the columns invoice no, inv date, partynames and amount. insert a sub total report for the data and display only party-wise breakup.

ALGORITHM:

DATA:



A screenshot of Microsoft Excel showing a table of invoices. The table has four columns: Invoice Number, Invoice Date, Customer Name, and Amount. The data is as follows:

	INVOICE NUMBER	INVOICE DATE	CUSTOMER NAME	AMOUNT
2	INV001	1/1/2024	Arun	1000
3	INV002	1/2/2024	Bala	666
4	INV003	1/3/2024	Charles	56
5	INV004	1/4/2024	Dharshan	4000
6	INV005	1/5/2024	Easter raj	599
7	INV006	1/6/2024	Franklin	6000
8	INV007	1/7/2024	Gopal	299
9	INV008	1/8/2024	Hari	8000
10	INV009	1/9/2024	Imran	987
11	INV010	1/10/2024	Justen	100
12				
13				
14				
15				
16				
17				
18				
19				
20				

OUTPUT:

4. TO CREATE AN EXCEL WORKBOOK AND ENTER YOUR OWN DATA AND FORMAT THE SAME WITH NUMERIC WITH 3 DECIMAL, PERCENTAGE, DATE DATA TYPE AND CUSTOMIZE ONE COLUMN WITH INDIAN STYLE THOUSAND SEPARATOR.

AIM:

The aim is to Create an excel workbook and enter your own data and format the same with Numeric with 3 decimal, Percentage, Date data type and Customize one column with Indian style thousand separator.

ALGORITHM:

DATA:

OUTPUT:

5. TO AUTOMATE THE ADVANCED FILTER USING RECORD MACRO OPTION IN VIEW MENU.

AIM:

The aim is to automate the advanced filter using record macro option in view menu.

ALGORITHM:

DATA:

OUTPUT:

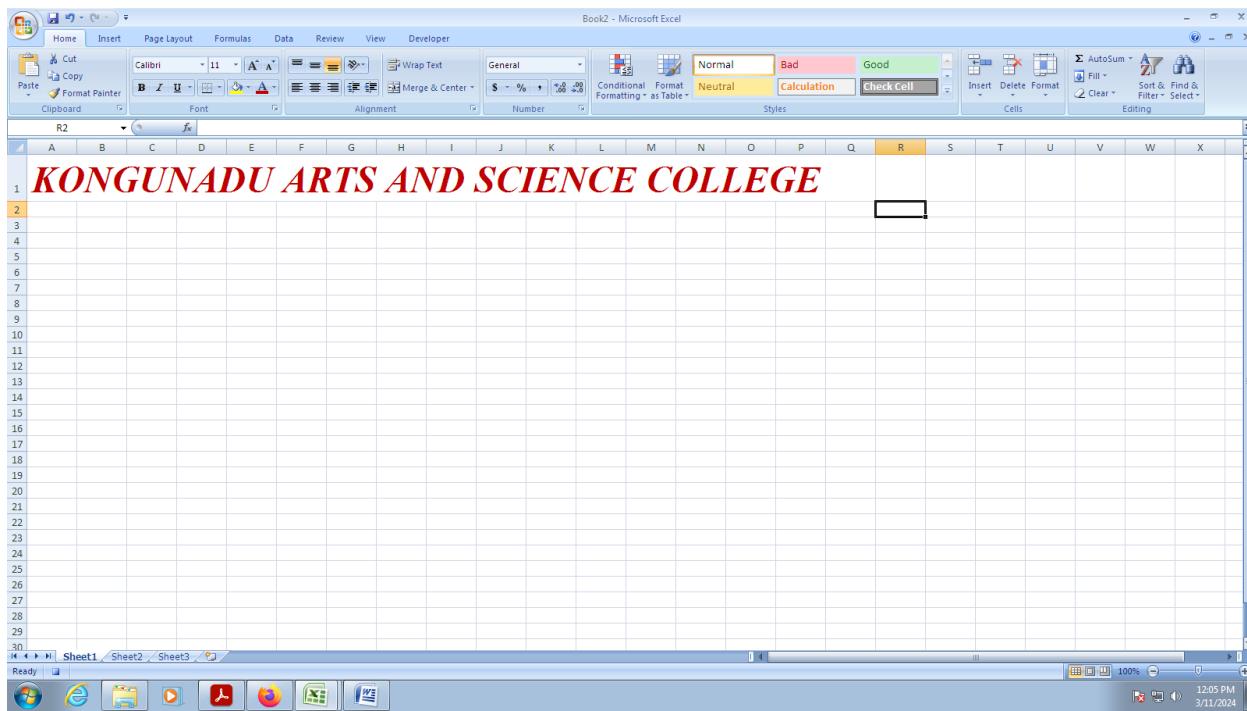
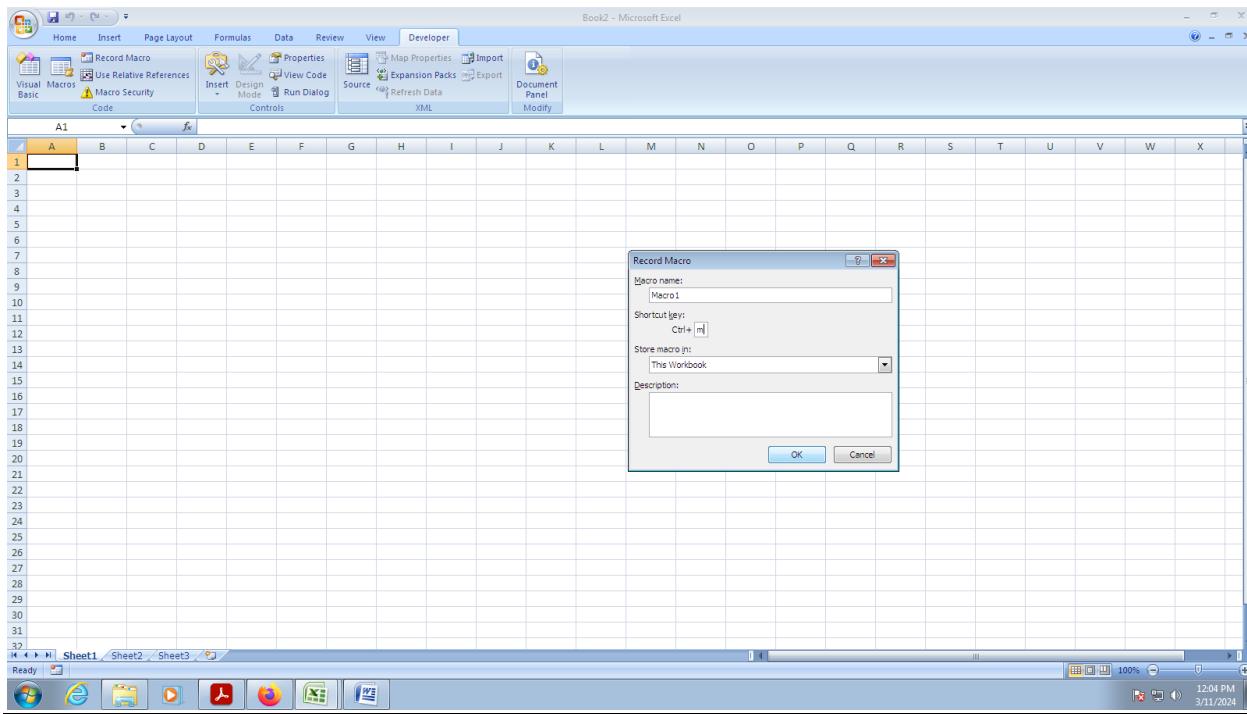
6. TO APPLY THE SAME FORMAT TO THE MULTIPLE SHEETS USING RECORD MACRO.

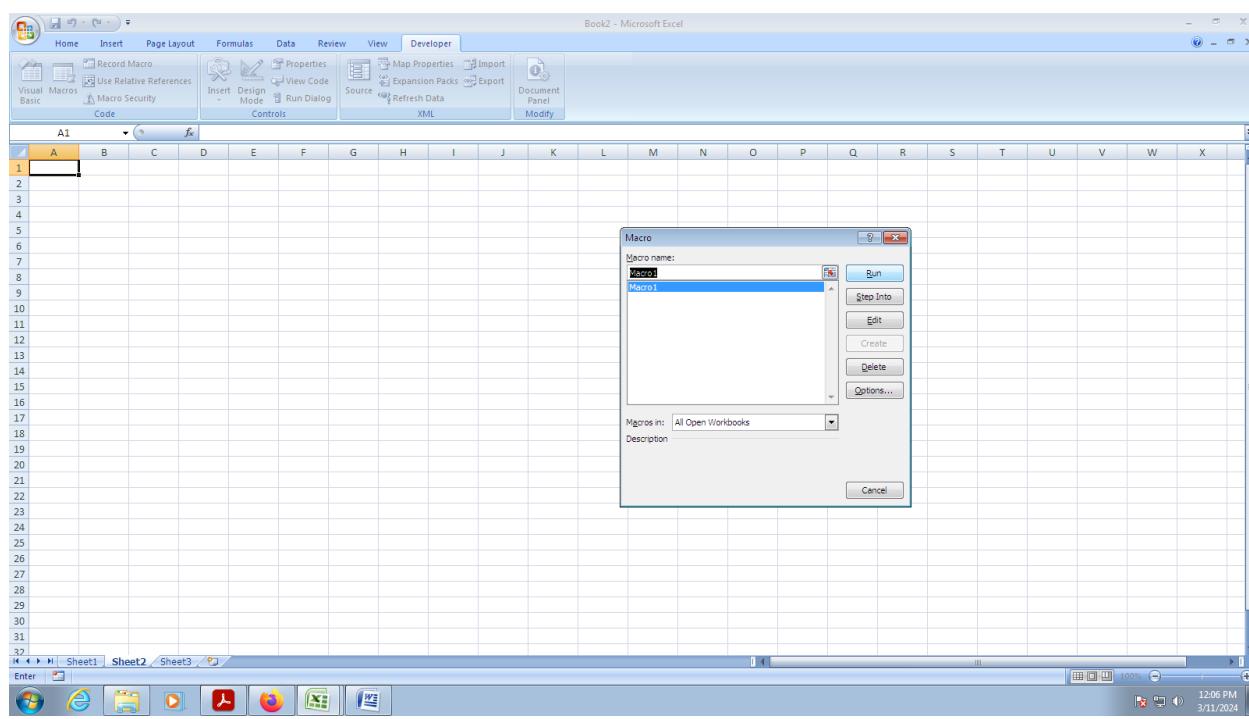
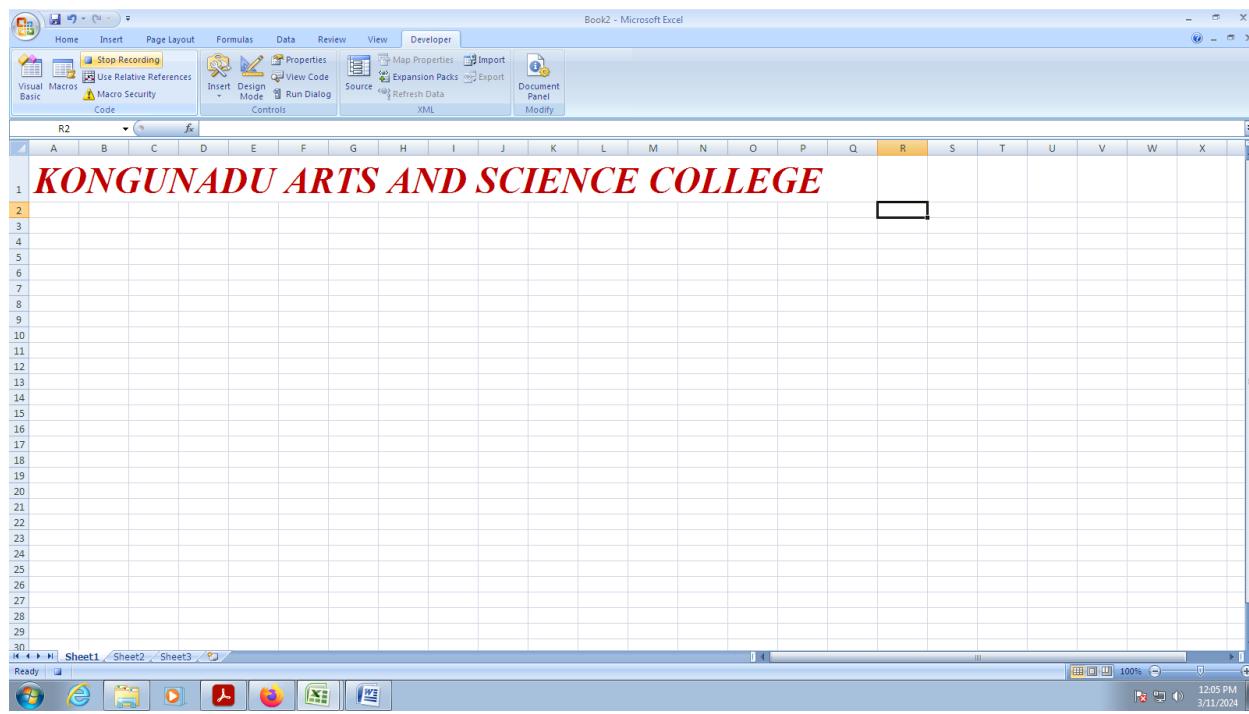
AIM:

The aim is to apply the same format to the multiple sheets using record macro.

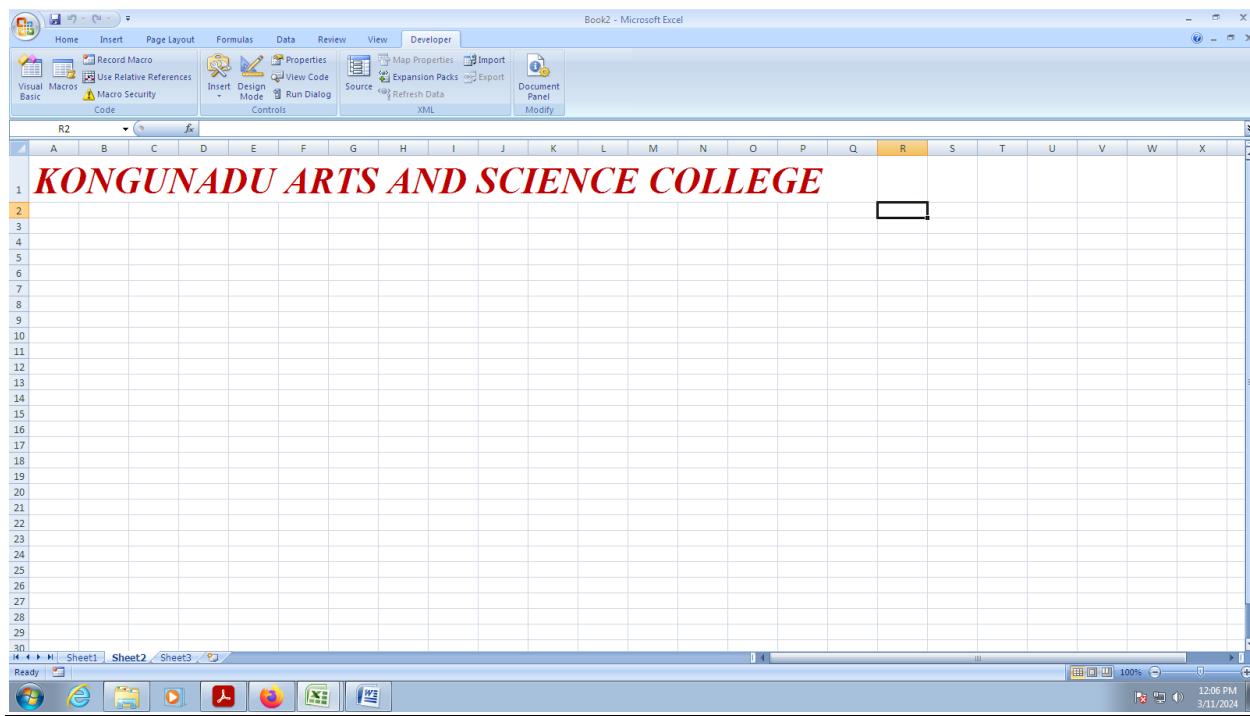
ALGORITHM:

DATA:





OUTPUT:



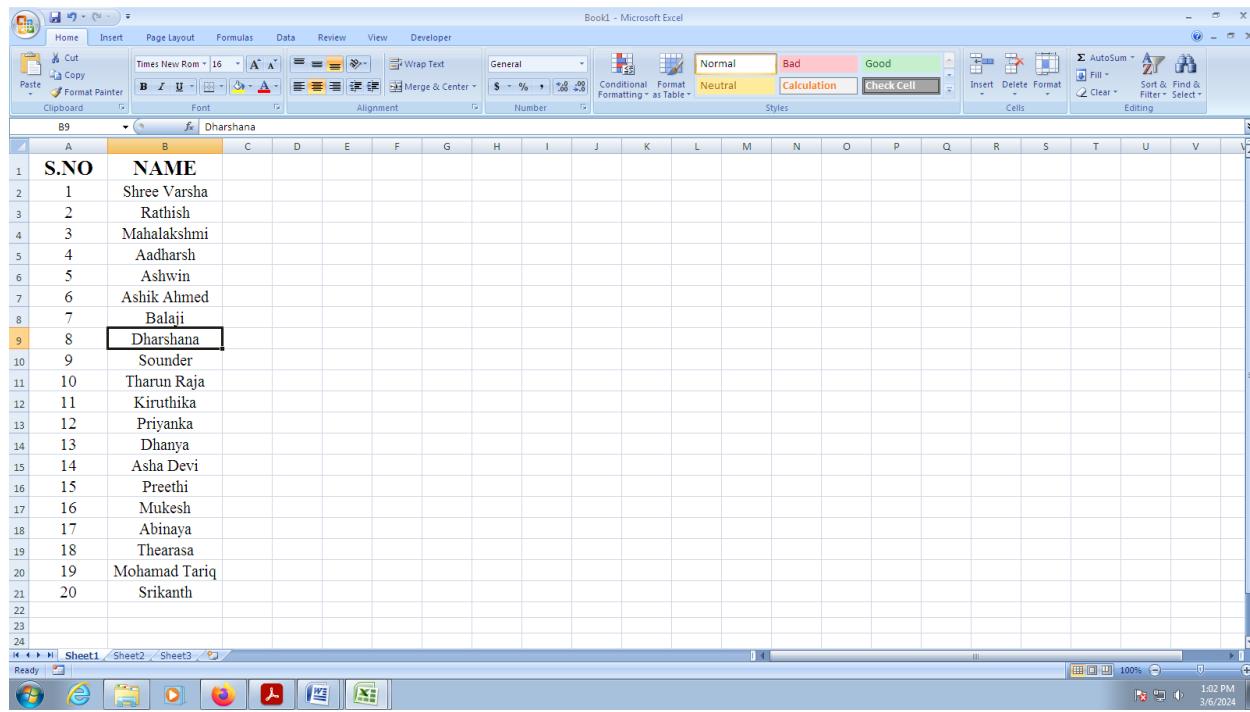
7. TO INSERT A MODULE AND DISPLAY THE ACTIVE CELL VALUE IN TO MESSAGE BOX.

AIM:

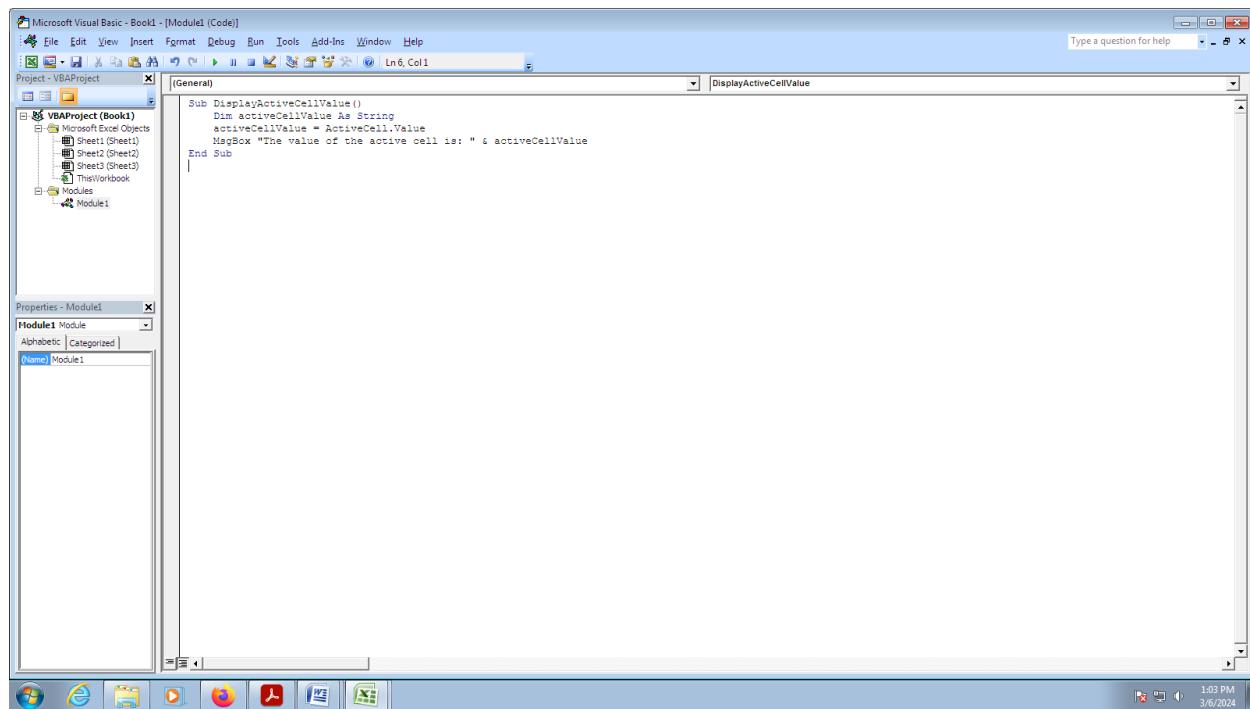
The aim is to insert a module and display the active cell value in to message box.

ALGORITHM:

DATA:



S.NO	NAME
1	Shree Varsha
2	Rathish
3	Mahalakshmi
4	Aadarsh
5	Ashwin
6	Ashik Ahmed
7	Balaji
8	Dharshana
9	Sounder
10	Tharun Raja
11	Kiruthika
12	Priyanka
13	Dhanya
14	Asha Devi
15	Preethi
16	Mukesh
17	Abinaya
18	Theearasa
19	Mohamad Tariq
20	Srikanth
21	
22	
23	
24	



```

Sub DisplayActiveCellValue()
    Dim activeCellValue As String
    activeCellValue = ActiveCell.Value
    MsgBox "The value of the active cell is: " & activeCellValue
End Sub

```

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Layout Preview Custom Full Views Screen Workbook Views

Ruler Formula Bar Gridlines Headings Message Bar Show/Hide

Zoom 100% Zoom to Selection New Window Arrange All Freeze Panes Hide Unhide View Side by Side Synchronous Scrolling Reset Window Position Save Workspace Windows Macros Macros

B9 Dharshana

S.NO	NAME
1	Shree Varsha
2	Rathish
3	Mahalakshmi
4	Aadharsh
5	Ashwin
6	Ashik Ahmed
7	Balaji
8	Dharshana
9	Sounder
10	Tharun Raja
11	Kiruthika
12	Priyanka
13	Dhanya
14	Asha Devi
15	Preethi
16	Mukesh
17	Abinaya
18	Thearasa
19	Mohamad Tariq
20	Srikanth
21	
22	
23	
24	

Macro

Macro name: **displayActiveCellValue**

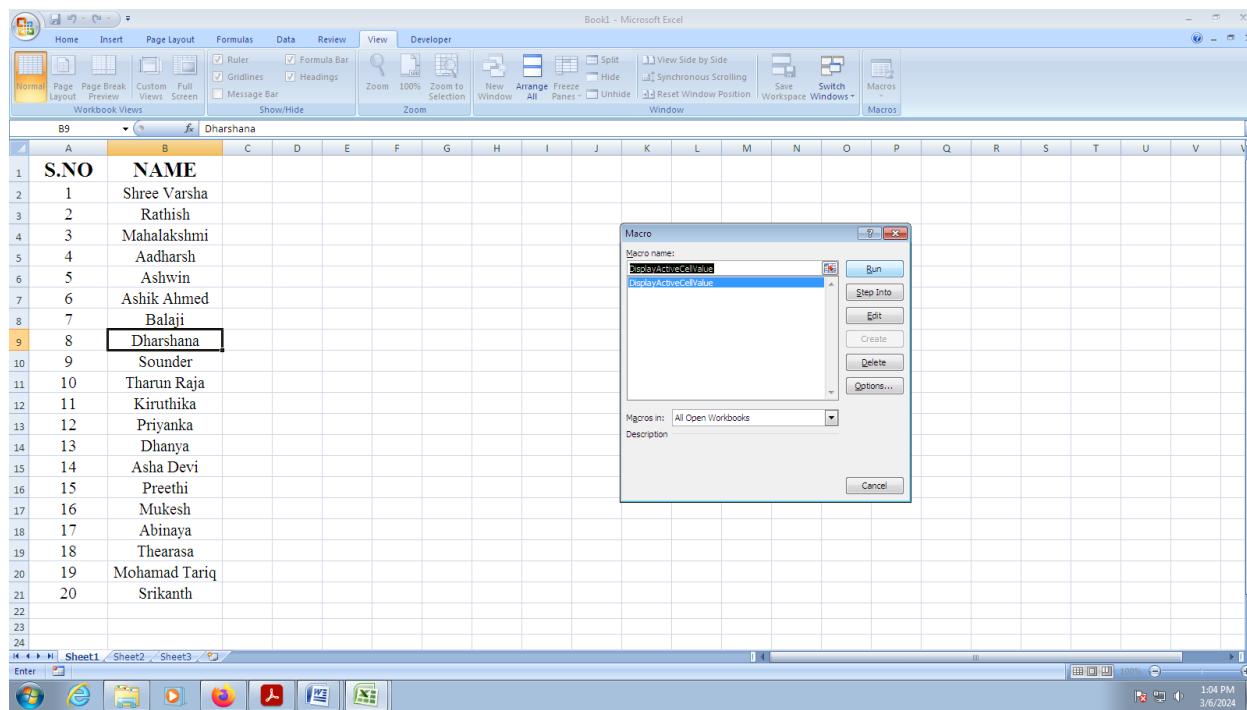
Macros in: All Open Workbooks

Description

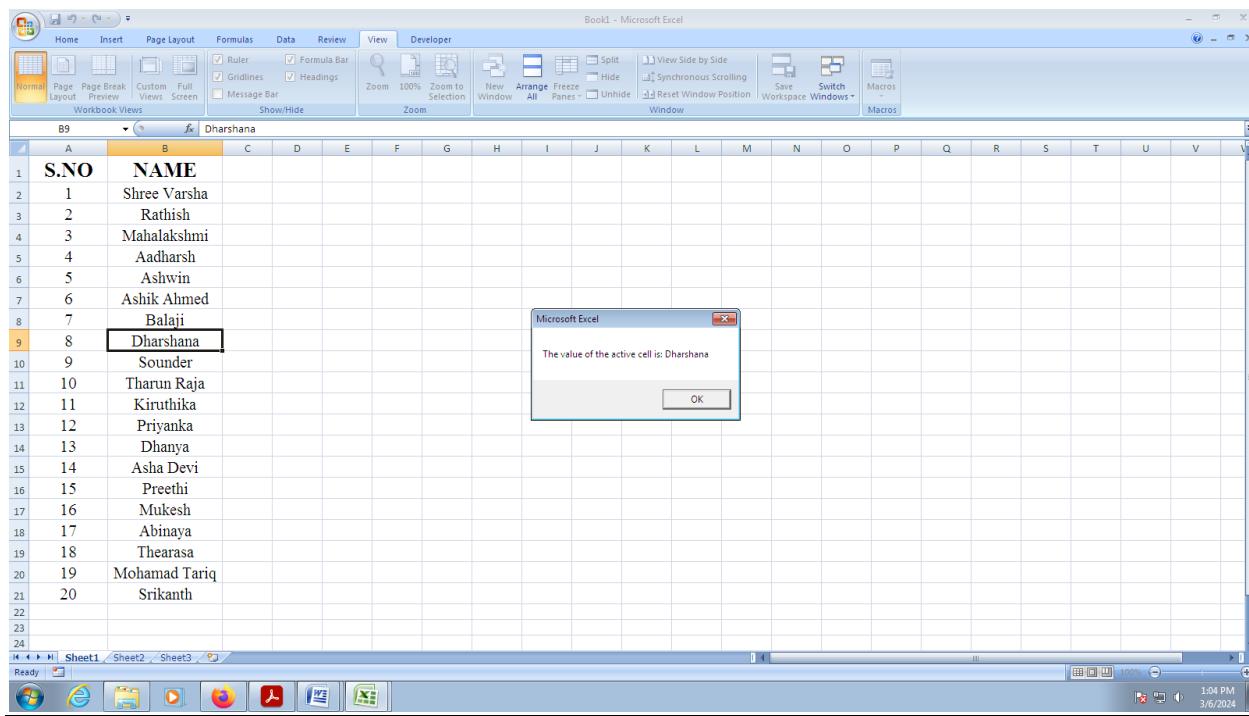
Run Step Into Edit Create Delete Options... Cancel

Sheet1 Sheet2 Sheet3

Enter



OUTPUT:



The screenshot shows a Microsoft Excel spreadsheet titled "Book1 - Microsoft Excel". The data is organized into two columns: "S.NO" and "NAME". The "NAME" column contains 20 entries. A message box titled "Microsoft Excel" is displayed in the center of the screen, stating "The value of the active cell is: Dharshana".

S.NO	NAME
1	Shree Varsha
2	Rathish
3	Mahalakshmi
4	Aadharsh
5	Ashwin
6	Ashik Ahmed
7	Balaji
8	Dharshana
9	Sounder
10	Tharun Raja
11	Kiruthika
12	Priyanka
13	Dhanya
14	Asha Devi
15	Preethi
16	Mukesh
17	Abinaya
18	Thearasa
19	Mohamad Tariq
20	Srikanth

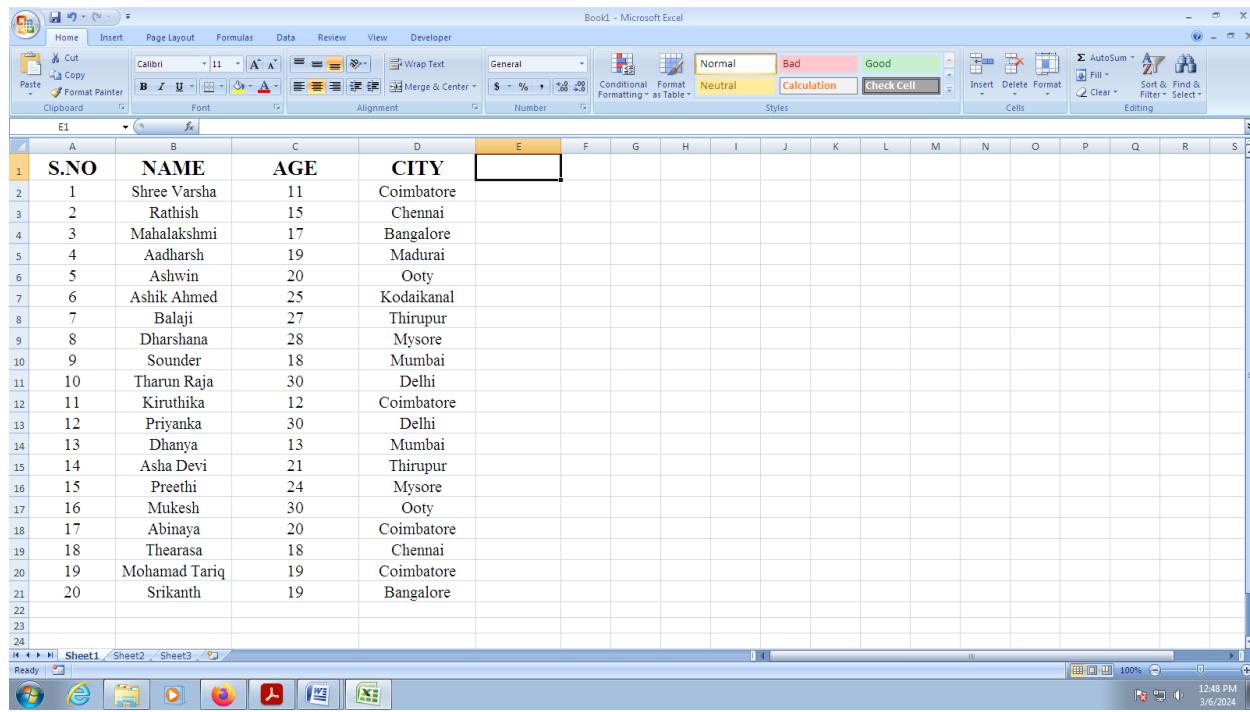
8. TO CREATE A MACRO TO INSERT ROW, COLUMN, SHEETS.

AIM:

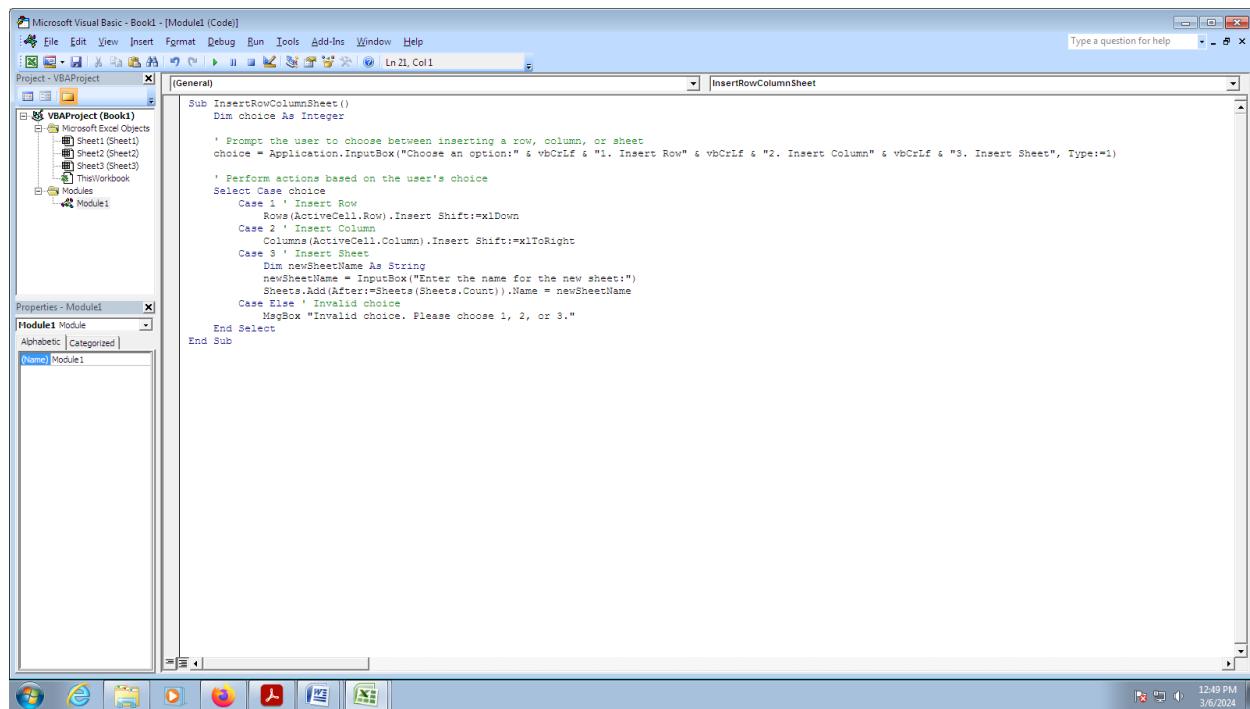
The aim is to create a macro to insert row, column, sheets.

ALGORITHM:

DATA:



S.NO	NAME	AGE	CITY
1	Shree Varsha	11	Coimbatore
2	Rathish	15	Chennai
3	Mahalakshmi	17	Bangalore
4	Aadharsh	19	Madurai
5	Ashwin	20	Ooty
6	Ashik Ahmed	25	Kodaikanal
7	Balaji	27	Thirupur
8	Dharshana	28	Mysore
9	Sounder	18	Mumbai
10	Tharun Raja	30	Delhi
11	Kiruthika	12	Coimbatore
12	Priyanka	30	Delhi
13	Dhanya	13	Mumbai
14	Asha Devi	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	Coimbatore
18	Thearasa	18	Chennai
19	Mohamad Tariq	19	Coimbatore
20	Srikanth	19	Bangalore
21			
22			
23			
24			



```

Sub InsertRowColumnSheet()
    Dim choice As Integer

    ' Prompt the user to choose between inserting a row, column, or sheet
    choice = Application.InputBox("Choose an option:" & vbCrLf & "1. Insert Row" & vbCrLf & "2. Insert Column" & vbCrLf & "3. Insert Sheet", Type:=1)

    ' Perform actions based on the user's choice
    Select Case choice
        Case 1 ' Insert Row
            Rows(ActiveCell.Row).Insert Shift:=xlDown
        Case 2 ' Insert Column
            Columns(ActiveCell.Column).Insert Shift:=xlToRight
        Case 3 ' Insert Sheet
            Dim newSheetName As String
            newSheetName = InputBox("Enter the name for the new sheet:")
            Sheets.Add(After:=Sheets(Sheets.Count)).Name = newSheetName
    End Select
End Sub

```

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Break Preview Custom Full Views Screen Workbook Views Show/Hide

Zoom 100% Zoom to Selection Zoom

New Window Arrange All Panes Hide Unhide View Side by Side Synchronous Scrolling Reset Window Position Save Workspace Windows Macros Macros

E1 A B C D E F G H I J K L M N O P Q R S

S.NO	NAME	AGE	CITY	
1	Shree Varsha	11	Coimbatore	
2	Rathish	15	Chennai	
3	Mahalakshmi	17	Bangalore	
4	Aadharsh	19	Madurai	
5	Ashwin	20	Ooty	
6	Ashik Ahmed	25	Kodaikanal	
7	Balaji	27	Thirupur	
8	Dharshana	28	Mysore	
9	Sounder	18	Mumbai	
10	Tharun Raja	30	Delhi	
11	Kiruthika	12	Coimbatore	
12	Priyanka	30	Delhi	
13	Dhanya	13	Mumbai	
14	Asha Devi	21	Thirupur	
15	Preethi	24	Mysore	
16	Mukesh	30	Ooty	
17	Abinaya	20	Coimbatore	
18	Thearas	18	Chennai	
19	Mohamad Tariq	19	Coimbatore	
20	Srikanth	19	Bangalore	
21				
22				
23				
24				

Sheet1 Sheet2 Sheet3

12:50 PM 3/6/2024

Macro

Macro name: **InsertColumnSheet**

InsertColumnSheet

Run Step Into Edit Create Delete Options... Cancel

Macros in: All Open Workbooks

Description

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Break Preview Custom Full Views Screen Workbook Views Show/Hide

Zoom 100% Zoom to Selection Zoom

New Window Arrange All Panes Hide Unhide View Side by Side Synchronous Scrolling Reset Window Position Save Workspace Windows Macros Macros

E1 A B C D E F G H I J K L M N O P Q R S

S.NO	NAME	AGE	CITY	
1	Shree Varsha	11	Coimbatore	
2	Rathish	15	Chennai	
3	Mahalakshmi	17	Bangalore	
4	Aadharsh	19	Madurai	
5	Ashwin	20	Ooty	
6	Ashik Ahmed	25	Kodaikanal	
7	Balaji	27	Thirupur	
8	Dharshana	28	Mysore	
9	Sounder	18	Mumbai	
10	Tharun Raja	30	Delhi	
11	Kiruthika	12	Coimbatore	
12	Priyanka	30	Delhi	
13	Dhanya	13	Mumbai	
14	Asha Devi	21	Thirupur	
15	Preethi	24	Mysore	
16	Mukesh	30	Ooty	
17	Abinaya	20	Coimbatore	
18	Thearas	18	Chennai	
19	Mohamad Tariq	19	Coimbatore	
20	Srikanth	19	Bangalore	
21				
22				
23				
24				

Sheet1 Sheet2 Sheet3

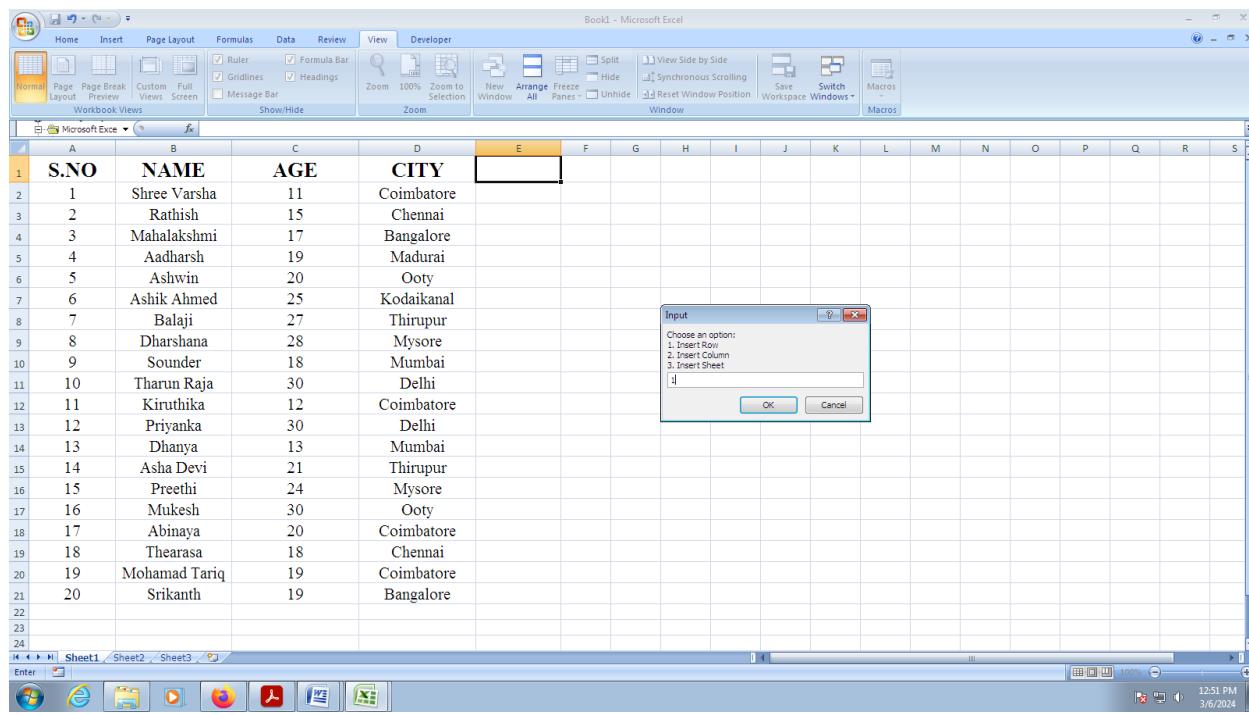
12:50 PM 3/6/2024

Input

Choose an option:
1. Insert Row
2. Insert Column
3. Insert Sheet

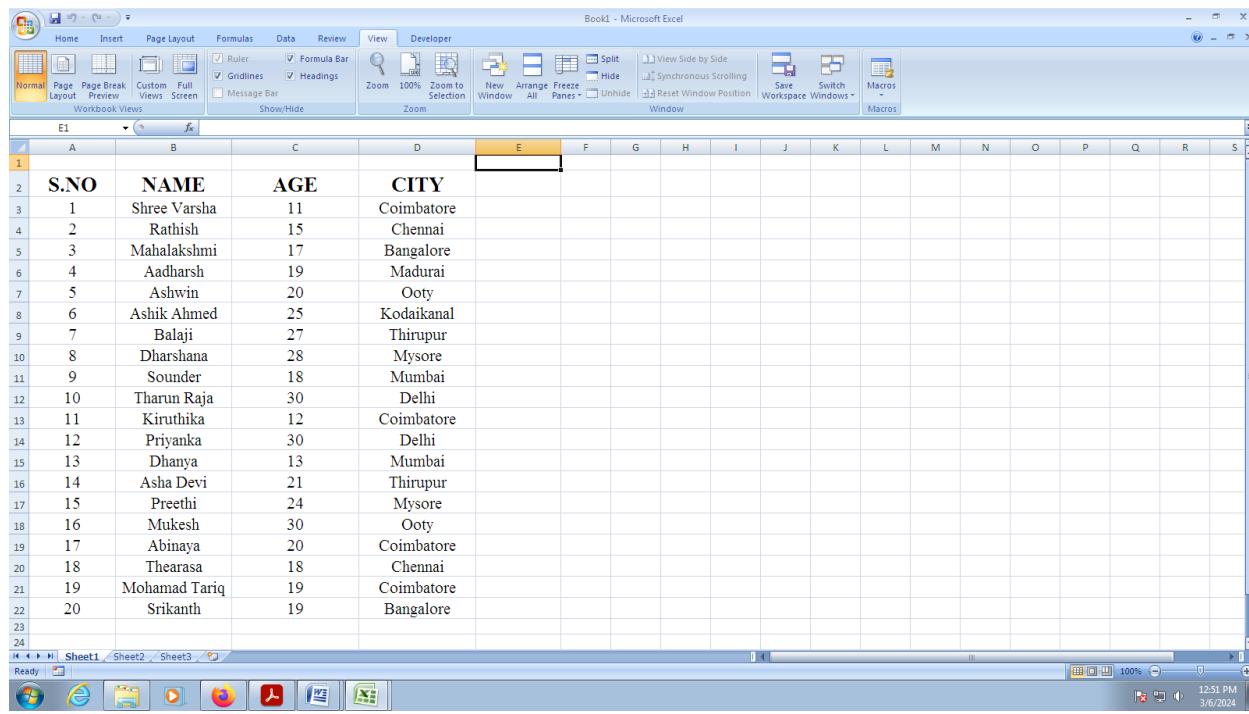
OK Cancel

OUTPUT:



The screenshot shows a Microsoft Excel spreadsheet titled 'Book1 - Microsoft Excel'. The data is organized into columns: S.NO, NAME, AGE, and CITY. The CITY column is currently empty. An 'Input' dialog box is overlaid on the screen, prompting the user to choose an option: '1. Insert Row', '2. Insert Column', or '3. Insert Sheet'. The 'OK' button is highlighted.

S.NO	NAME	AGE	CITY
1	Shree Varsha	11	Coimbatore
2	Rathish	15	Chennai
3	Mahalakshmi	17	Bangalore
4	Aadharsh	19	Madurai
5	Ashwin	20	Ooty
6	Ashik Ahmed	25	Kodaikanal
7	Balaji	27	Thirupur
8	Dharshana	28	Mysore
9	Sounder	18	Mumbai
10	Tharun Raja	30	Delhi
11	Kiruthika	12	Coimbatore
12	Priyanka	30	Delhi
13	Dhanya	13	Mumbai
14	Asha Devi	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	Coimbatore
18	Thearasa	18	Chennai
19	Mohamad Tariq	19	Coimbatore
20	Srikanth	19	Bangalore



The screenshot shows the same Microsoft Excel spreadsheet after the 'Insert Row' operation has been completed. A new row, labeled '1', has been inserted at the top of the table, preceding the header row. The data in the subsequent rows has shifted down by one position. The CITY column remains empty.

S.NO	NAME	AGE	CITY
2	Shree Varsha	11	Coimbatore
3	Rathish	15	Chennai
4	Mahalakshmi	17	Bangalore
5	Aadharsh	19	Madurai
6	Ashwin	20	Ooty
7	Ashik Ahmed	25	Kodaikanal
8	Balaji	27	Thirupur
9	Dharshana	28	Mysore
10	Sounder	18	Mumbai
11	Tharun Raja	30	Delhi
12	Kiruthika	12	Coimbatore
13	Priyanka	30	Delhi
14	Dhanya	13	Mumbai
15	Asha Devi	21	Thirupur
16	Preethi	24	Mysore
17	Mukesh	30	Ooty
18	Abinaya	20	Coimbatore
19	Thearasa	18	Chennai
20	Mohamad Tariq	19	Coimbatore
21	Srikanth	19	Bangalore

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Layout Preview Custom Full Screen Workbook Views

Zoom 100% Zoom to Selection Window Arrange All Panes Hide Unhide View Side by Side Synchronous Scrolling Save Workspace Windows Macros Macros

B2 NAME

S.NO	NAME	AGE	CITY
1	Shree Varsha	11	Coimbatore
2	Rathish	15	Chennai
3	Mahalakshmi	17	Bangalore
4	Aadharsh	19	Madurai
5	Ashwin	20	Ooty
6	Ashik Ahmed	25	Kodaikanal
7	Balaji	27	Thirupur
8	Dharshana	28	Mysore
9	Sounder	18	Mumbai
10	Tharun Raja	30	Delhi
11	Kiruthika	12	Coimbatore
12	Priyanka	30	Delhi
13	Dhanya	13	Mumbai
14	Asha Devi	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	Coimbatore
18	Thearas	18	Chennai
19	Mohamad Tariq	19	Coimbatore
20	Srikanth	19	Bangalore

Input

Choose an option:
1. Insert Row
2. Insert Column
3. Insert Sheet

OK Cancel

Sheet1 Sheet2 Sheet3

12:52 PM 3/6/2024

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Layout Preview Custom Full Screen Workbook Views

Zoom 100% Zoom to Selection Window Arrange All Panes Hide Unhide View Side by Side Synchronous Scrolling Save Workspace Windows Macros Macros

B2 NAME

S.NO	NAME	AGE	CITY
1	Shree Varsha	11	Coimbatore
2	Rathish	15	Chennai
3	Mahalakshmi	17	Bangalore
4	Aadharsh	19	Madurai
5	Ashwin	20	Ooty
6	Ashik Ahmed	25	Kodaikanal
7	Balaji	27	Thirupur
8	Dharshana	28	Mysore
9	Sounder	18	Mumbai
10	Tharun Raja	30	Delhi
11	Kiruthika	12	Coimbatore
12	Priyanka	30	Delhi
13	Dhanya	13	Mumbai
14	Asha Devi	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	Coimbatore
18	Thearas	18	Chennai
19	Mohamad Tariq	19	Coimbatore
20	Srikanth	19	Bangalore

Sheet1 Sheet2 Sheet3

12:52 PM 3/6/2024

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Layout Preview Custom Full Screen Workbook Views Show/Hide

Zoom 100% Zoom to Selection Window Arrange All Panes Hide Unhide View Side by Side Synchronous Scrolling Reset Window Position Save Workspace Windows Macros Macros

B2 A C D E F G H I J K L M N O P Q R

1 S.NO NAME AGE CITY

2 1 Shree Varsha 11 Coimbatore

3 2 Rathish 15 Chennai

4 3 Mahalakshmi 17 Bangalore

5 4 Aadharsh 19 Madurai

6 5 Ashwin 20 Ooty

7 6 Ashik Ahmed 25 Kodaikanal

8 7 Balaji 27 Thirupur

9 8 Dharshana 28 Mysore

10 9 Sounder 18 Mumbai

11 10 Tharun Raja 30 Delhi

12 11 Kiruthika 12 Coimbatore

13 12 Priyanka 30 Delhi

14 13 Dhanya 13 Mumbai

15 14 Asha Devi 21 Thirupur

16 15 Preethi 24 Mysore

17 16 Mukesh 30 Ooty

18 17 Abinaya 20 Coimbatore

19 18 Thearasra 18 Chennai

20 19 Mohamad Tariq 19 Coimbatore

21 20 Srikanth 19 Bangalore

22 21

23 22

24 23

Sheet1 Sheet2 Sheet3

Enter

12:53 PM 3/6/2024

Input

Choose an option:
1. Insert Row
2. Insert Column
3. Insert Sheet

3

OK Cancel

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Normal Page Layout Preview Custom Full Screen Workbook Views Show/Hide

Zoom 100% Zoom to Selection Window Arrange All Panes Hide Unhide View Side by Side Synchronous Scrolling Reset Window Position Save Workspace Windows Macros Macros

B2 A C D E F G H I J K L M N O P Q R

1 S.NO NAME AGE CITY

2 1 Shree Varsha 11 Coi

3 2 Rathish 15 C

4 3 Mahalakshmi 17 Ba

5 4 Aadharsh 19 M

6 5 Ashwin 20 Insert

7 6 Ashik Ahmed 25 Kodaikanal

8 7 Balaji 27 Thirupur

9 8 Dharshana 28 Mysore

10 9 Sounder 18 Mumbai

11 10 Tharun Raja 30 Delhi

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17 16 Mukesh 30 Ooty

18 17 Abinaya 20 Coimbatore

19 18 Thearasra 18 Chennai

20 19 Mohamad Tariq 19 Coimbatore

21 20 Srikanth 19 Bangalore

22 21

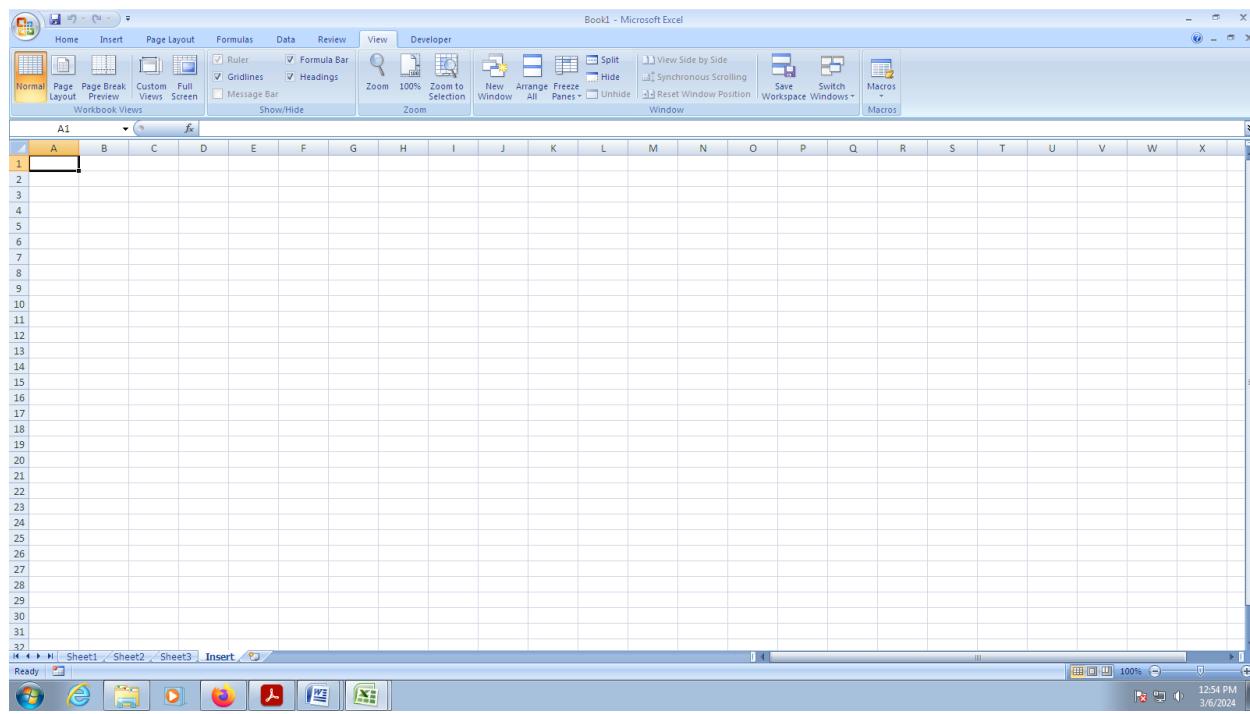
23 22

24 23

Sheet1 Sheet2 Sheet3

Ready

12:53 PM 3/6/2024



9.CREATE A MACRO WITH CONDITIONS USING IF , SELECT CASE.

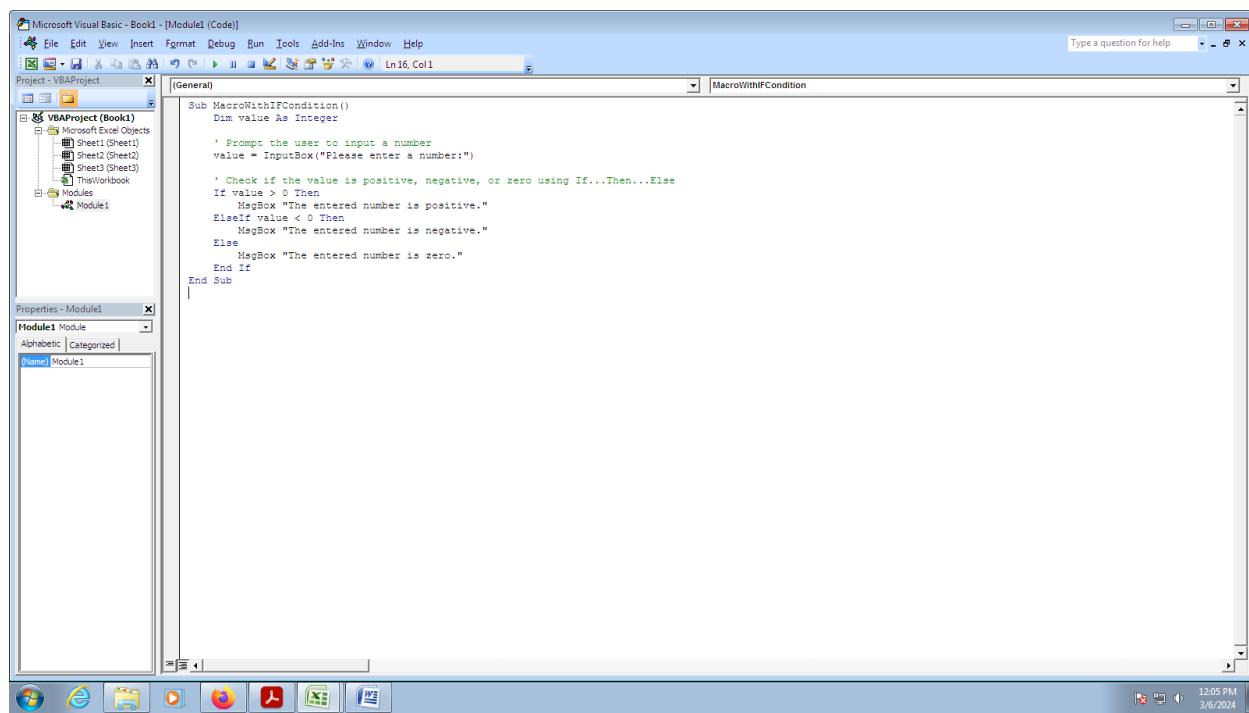
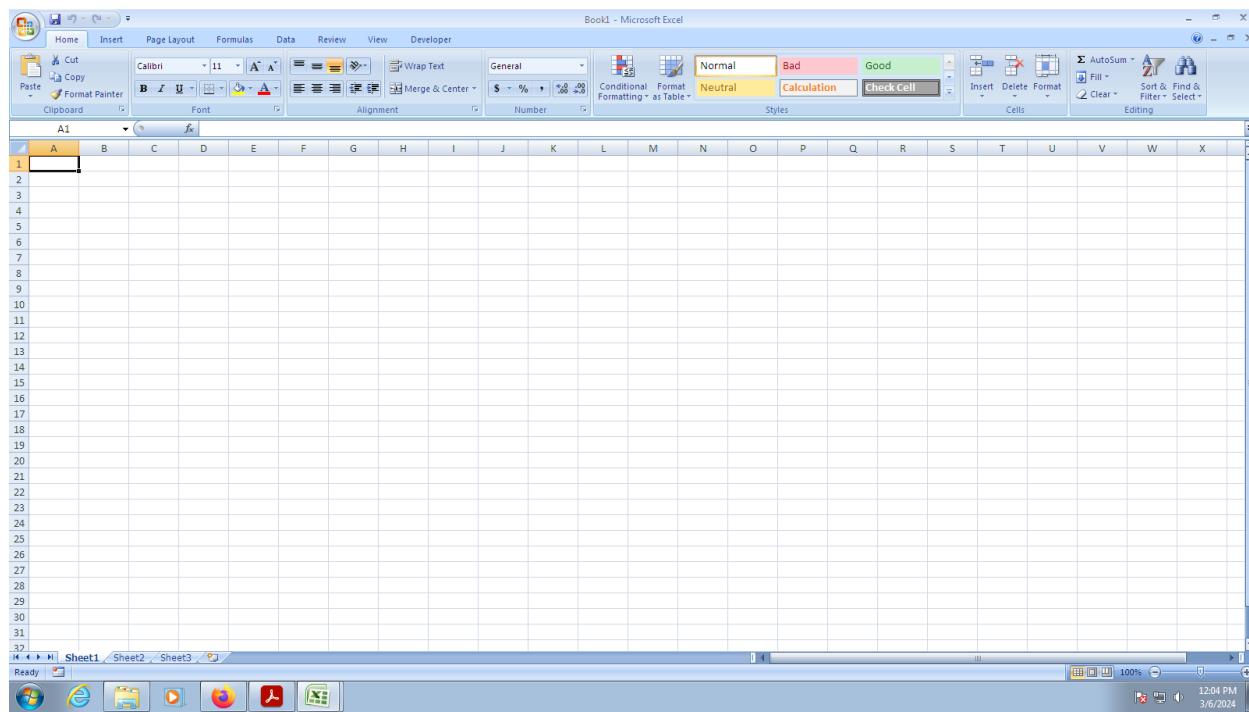
AIM:

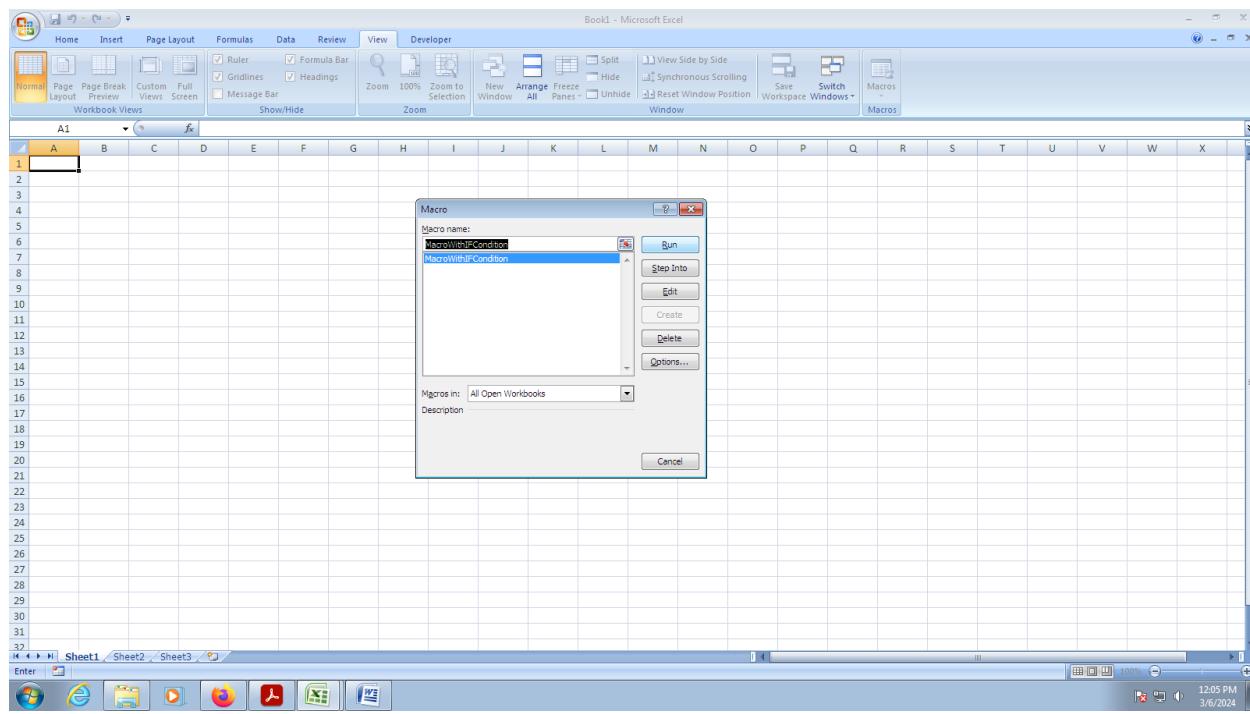
The aim is to create a Macro with conditions using IF , Select case.

ALGORITHM:

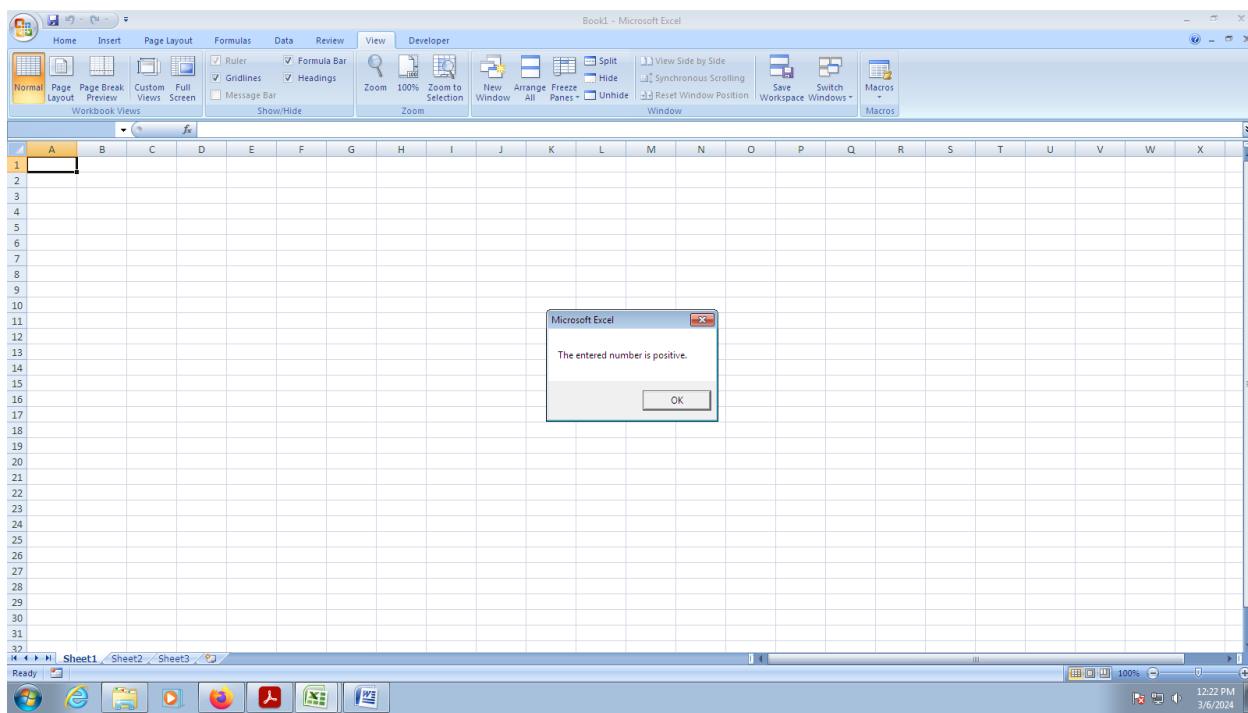
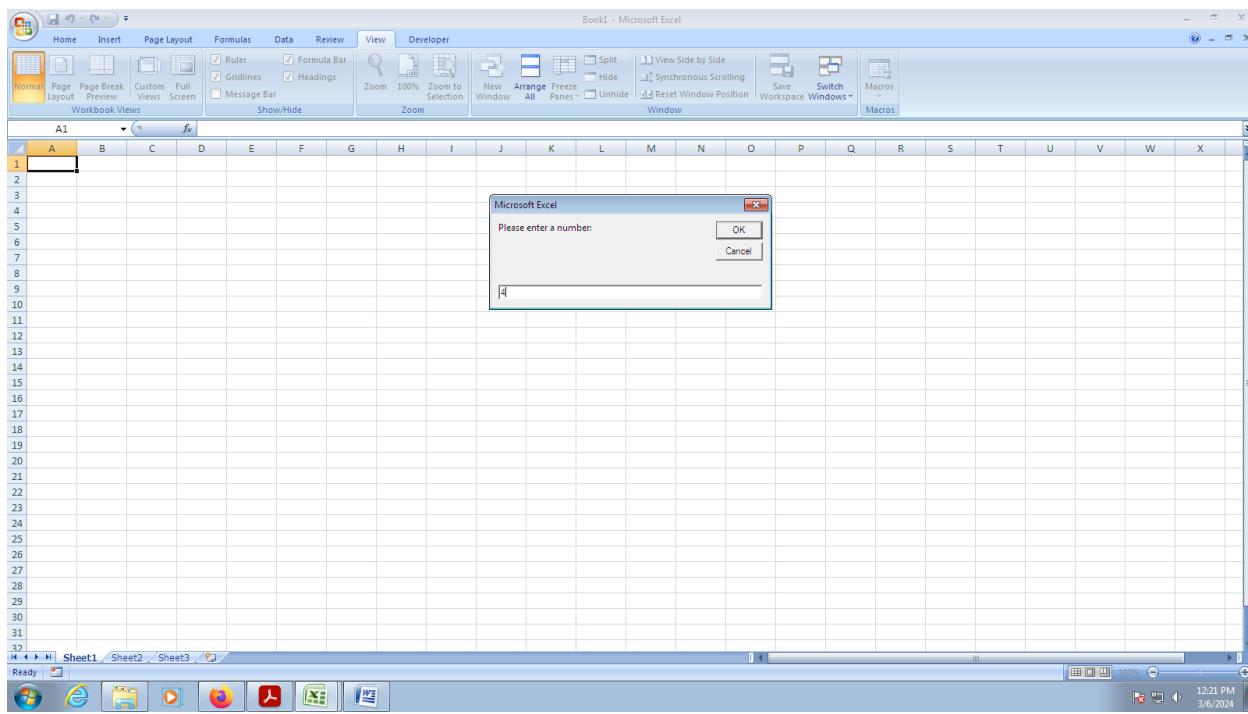
DATA:

USING IF

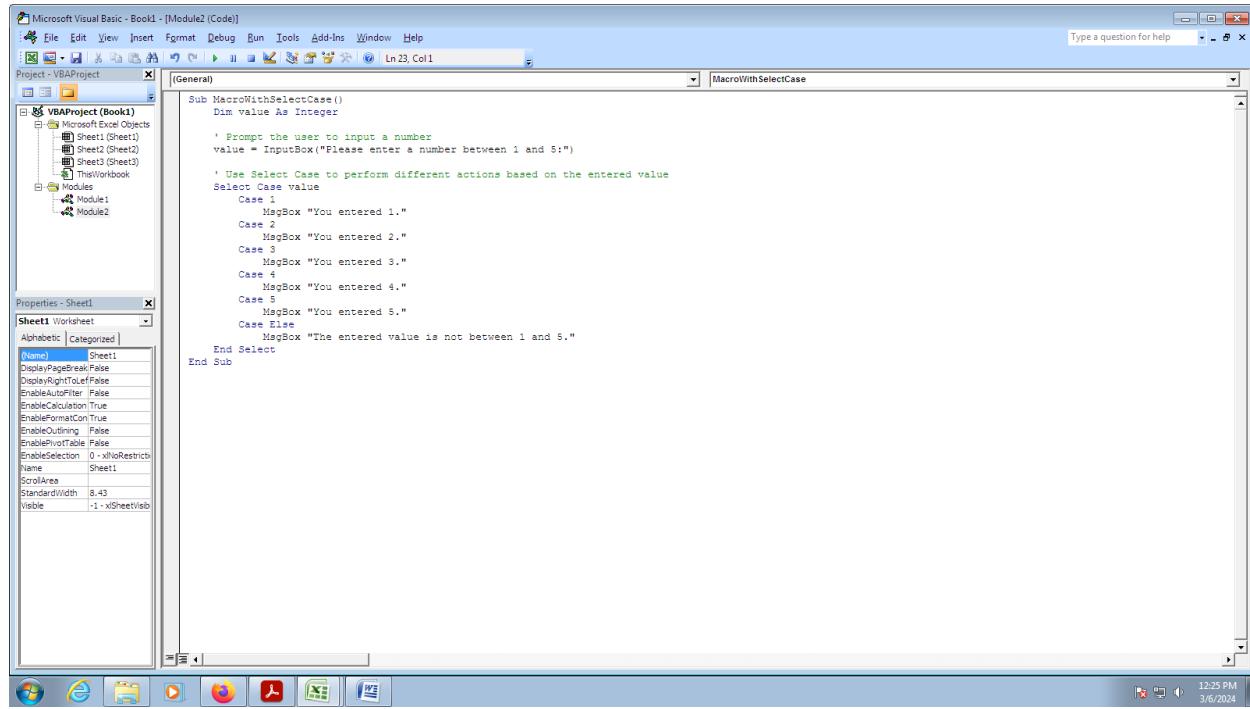




OUTPUT:



USING SELECT CASE



Microsoft Visual Basic - Book1 - [Module2 (Code)]

```

Sub MacroWithSelectCase()
    Dim value As Integer

    ' Prompt the user to input a number
    value = InputBox("Please enter a number between 1 and 5:")

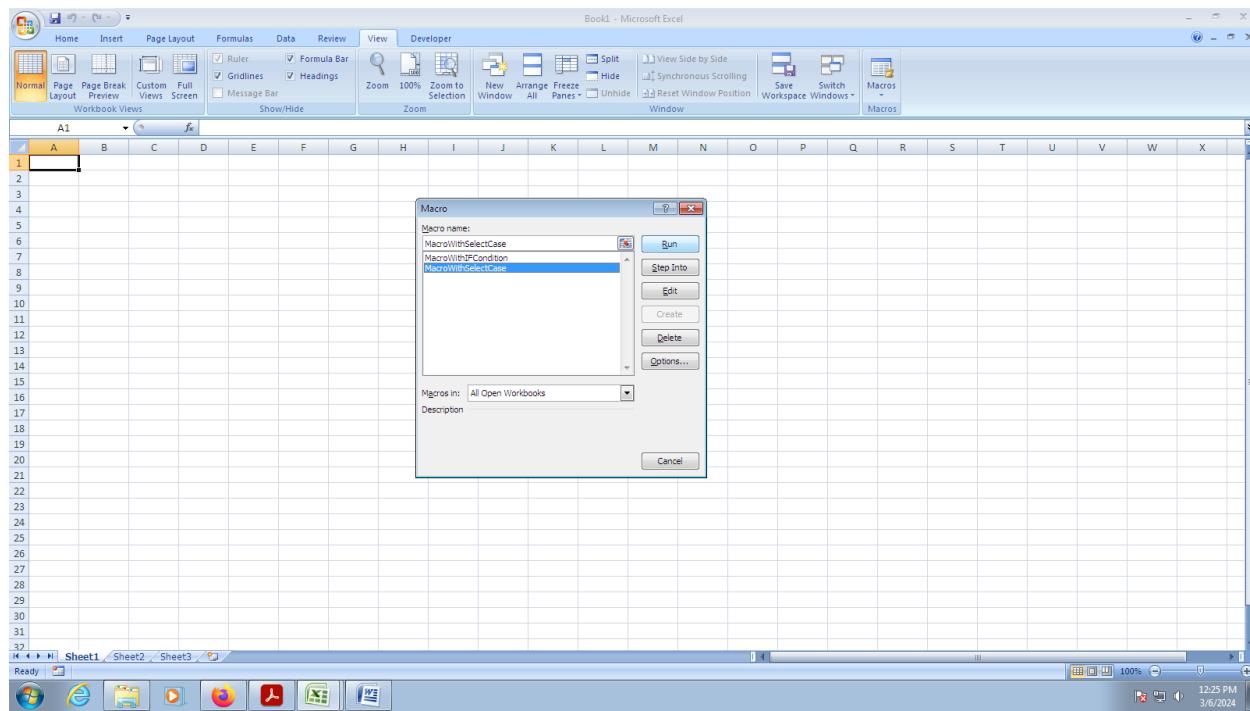
    ' Use Select Case to perform different actions based on the entered value
    Select Case value
        Case 1
            MsgBox "You entered 1."
        Case 2
            MsgBox "You entered 2."
        Case 3
            MsgBox "You entered 3."
        Case 4
            MsgBox "You entered 4."
        Case 5
            MsgBox "You entered 5."
        Case Else
            MsgBox "The entered value is not between 1 and 5."
    End Select
End Sub

```

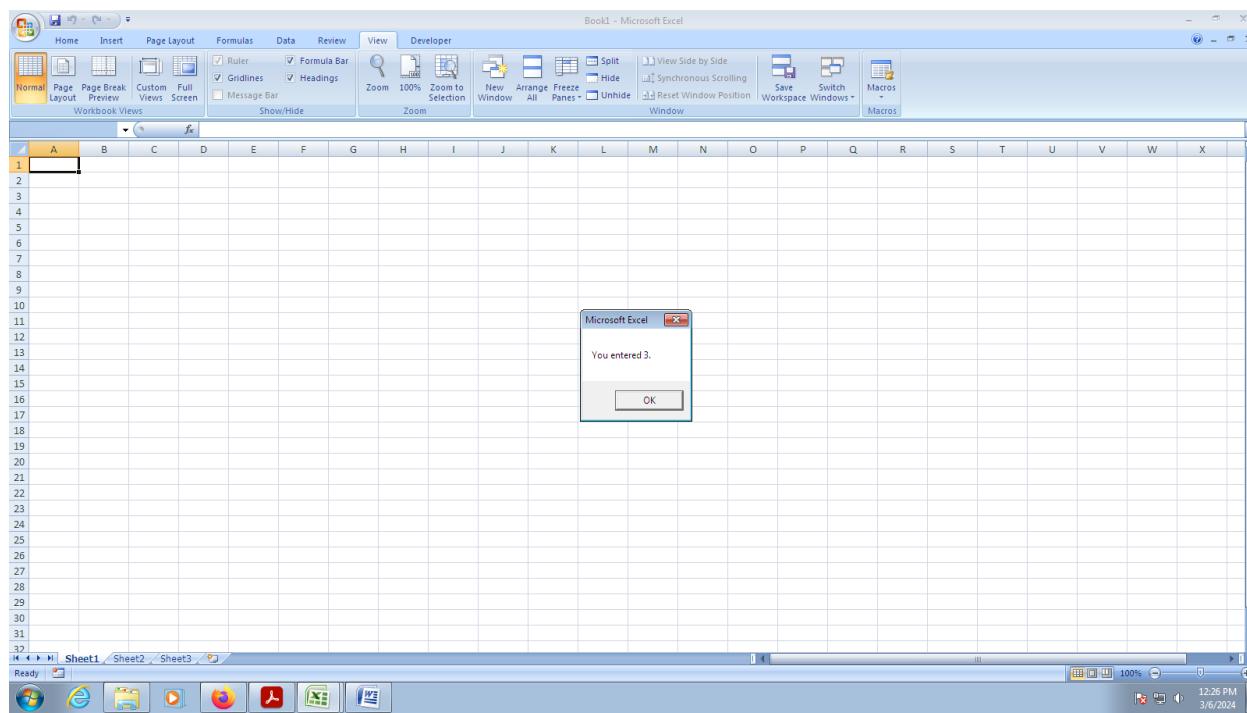
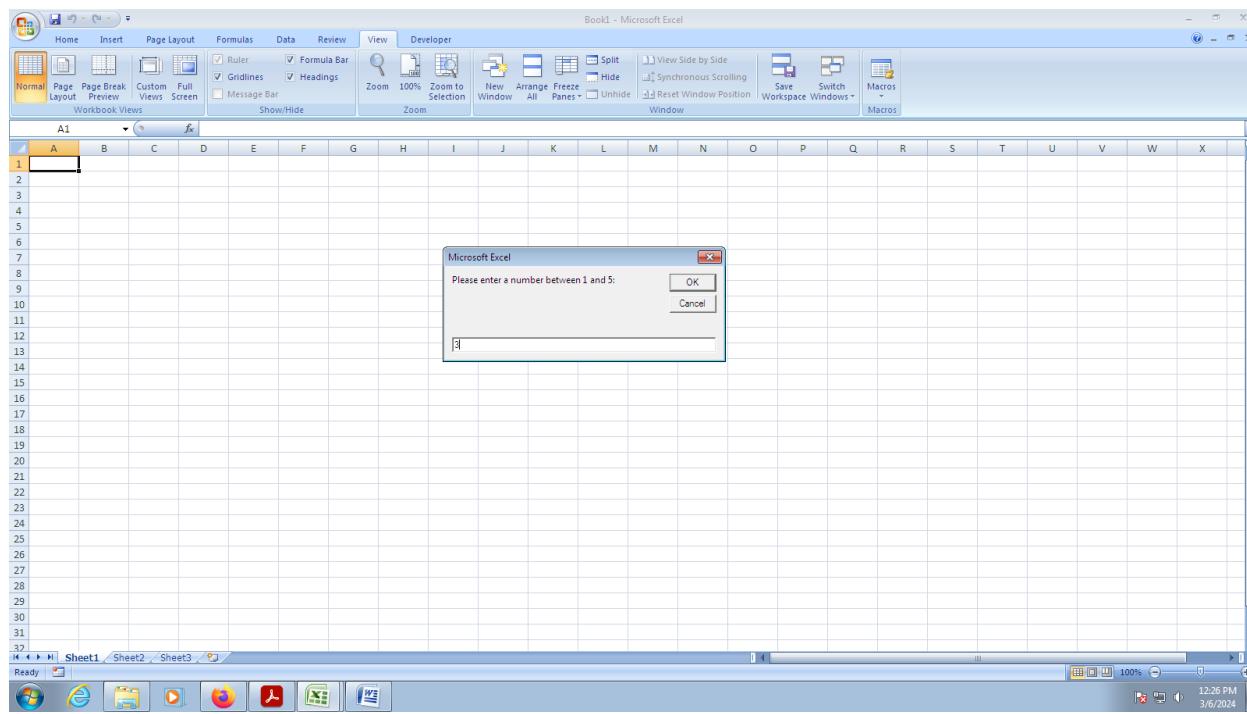
Properties - Sheet1

Sheet1 Worksheet

Name: Sheet1
DisplayPageBreak: False
DisplayRightToLeft: False
EnableAutoFilter: False
EnableCalculation: True
EnableFormatConditions: True
EnableOutline: False
EnablePivotTable: False
EndOfSelection: 0 - xlNoRestrictions
Name: Sheet1
ScrollArea:
StandardWidth: 8.43
Visible: -1 - xlSheetVisible



OUTPUT:



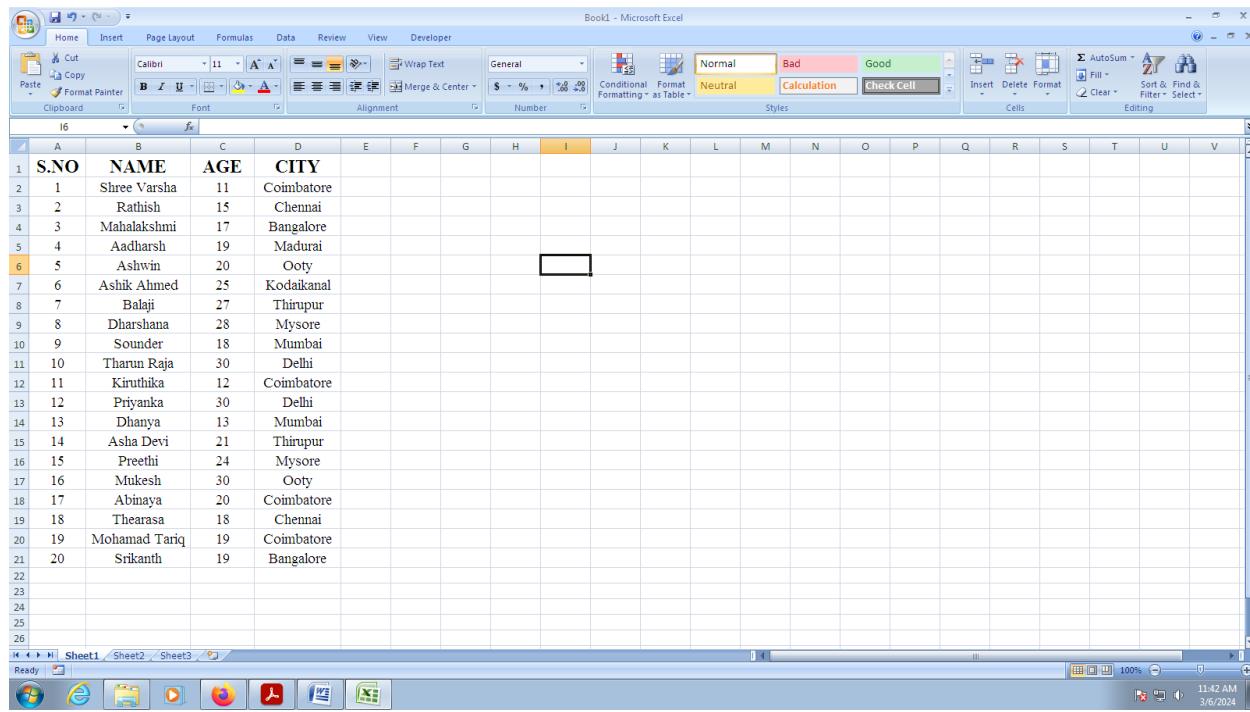
10. TO SPLIT DATA INTO MULTIPLE SHEETS USING VBA..

AIM:

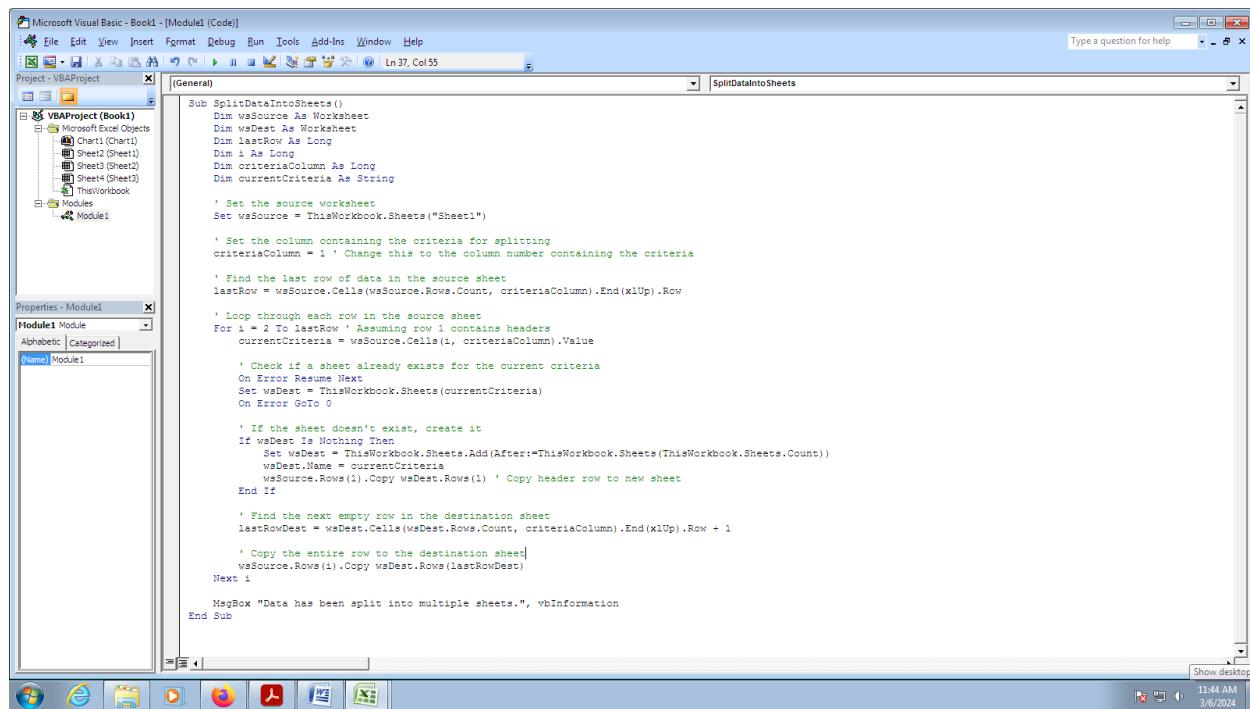
The aim is to Split data into multiple sheets using VBA.

ALGORITHM:

DATA:



S.NO	NAME	AGE	CITY
1	Shree Varsha	11	Coimbatore
2	Rathish	15	Chennai
3	Mahalakshmi	17	Bangalore
4	Aadharsh	19	Madurai
5	Ashwin	20	Ooty
6	Ashik Ahmed	25	Kodaikanal
7	Balaji	27	Thirupur
8	Dharshana	28	Mysore
9	Sounder	18	Mumbai
10	Tharun Raja	30	Delhi
11	Kiruthika	12	Coimbatore
12	Priyanka	30	Delhi
13	Dhanya	13	Mumbai
14	Asha Devi	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	Coimbatore
18	Theerasa	18	Chennai
19	Mohamad Tariq	19	Coimbatore
20	Srikanth	19	Bangalore
21			
22			
23			
24			
25			
26			



```

Sub SplitDataIntoSheets()
    Dim wsSource As Worksheet
    Dim wsDest As Worksheet
    Dim lastRow As Long
    Dim i As Long
    Dim criteriaColumn As Long
    Dim currentCriteria As String

    ' Set the source worksheet
    Set wsSource = ThisWorkbook.Sheets("Sheet1")

    ' Set the column containing the criteria for splitting
    criteriaColumn = 1 ' Change this to the column number containing the criteria

    ' Find the last row of data in the source sheet
    lastRow = wsSource.Cells(wsSource.Rows.Count, criteriaColumn).End(xlUp).Row

    ' Loop through each row in the source sheet
    For i = 2 To lastRow ' Assuming row 1 contains headers
        currentCriteria = wsSource.Cells(i, criteriaColumn).Value

        ' Check if a sheet already exists for the current criteria
        On Error Resume Next
        Set wsDest = ThisWorkbook.Sheets(currentCriteria)
        On Error GoTo 0

        ' If the sheet doesn't exist, create it
        If wsDest Is Nothing Then
            Set wsDest = ThisWorkbook.Sheets.Add(After:=ThisWorkbook.Sheets(ThisWorkbook.Sheets.Count))
            wsDest.Name = currentCriteria
            wsSource.Rows(1).Copy wsDest.Rows(1) ' Copy header row to new sheet
        End If

        ' Find the next empty row in the destination sheet
        lastRowDest = wsDest.Cells(wsDest.Rows.Count, criteriaColumn).End(xlUp).Row + 1

        ' Copy the entire row to the destination sheet
        wsSource.Rows(i).Copy wsDest.Rows(lastRowDest)
        Next i

    MsgBox "Data has been split into multiple sheets.", vbInformation
End Sub

```

Book1 - Microsoft Excel

Normal Layout Preview Custom Screen Workbook Views

Home Insert Page Layout Formulas Data Review View Developer

Ruler Gridlines Headings Message Bar

Zoom 100% Zoom to Selection Zoom

New Window Arrange All Freeze Panes Hide

Split Hide View Side by Side Synchronous Scrolling

Reset Window Position

Save Workspace Switch Windows Macros

S.N.O NAME AGE CITY

S.N.O	NAME	AGE	CITY
1	Shree Varsha	11	Coimbatore
2	Rathish	15	Chennai
3	Mahalakshmi	17	Bangalore
4	Aadharsh	19	Madurai
5	Ashwin	20	Ooty
6	Ashik Ahmed	25	Kodaikanal
7	Balaji	27	Thirupur
8	Dharshana	28	Mysore
9	Sounder	18	Mumbai
10	Tharun Raja	30	Delhi
11	Kiruthika	12	Coimbatore
12	Priyanka	30	Delhi
13	Dhanya	13	Mumbai
14	Asha Devi	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	Coimbatore
18	Thearasa	18	Chennai
19	Mohamad Tariq	19	Coimbatore
20	Srikanth	19	Bangalore

Macro

Macro name: **SendDataToSheets**

SendDataToSheets

Run Step Into Edit Create Delete Options...

Macros in: All Open Workbooks

Description

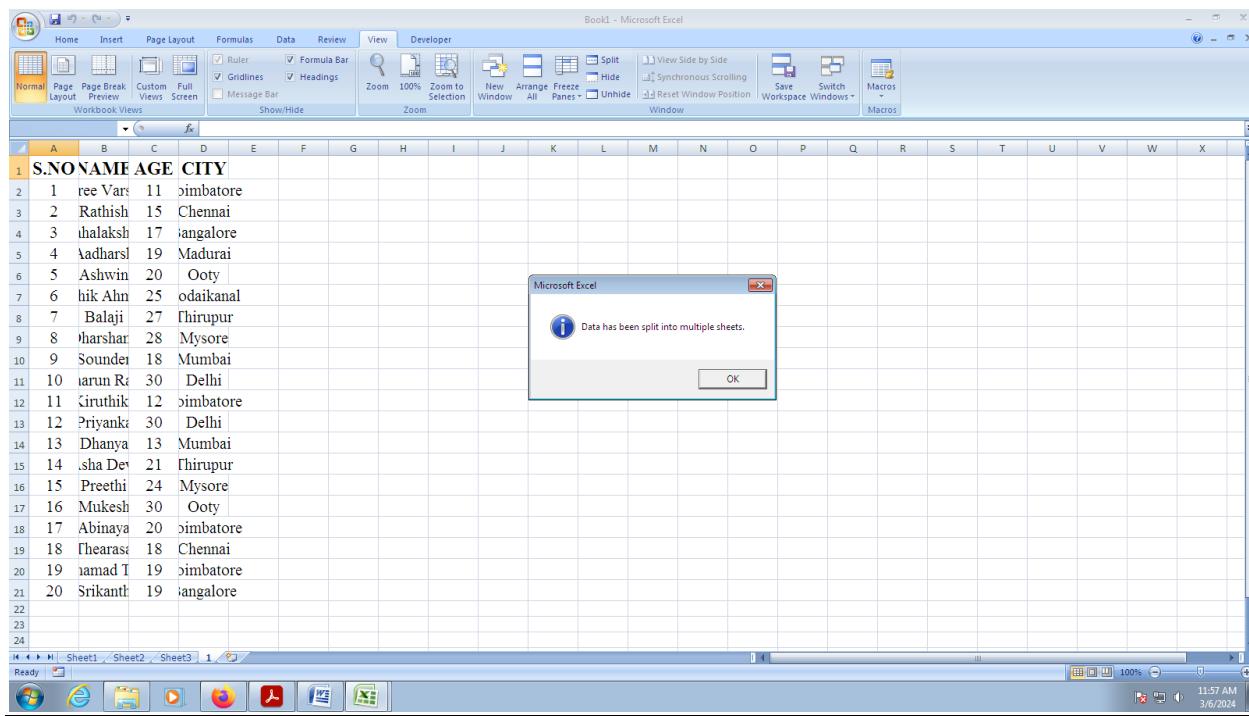
Cancel

Sheet1 Sheet2 Sheet3

Enter

11:56 AM 3/6/2024

OUTPUT:



The screenshot shows a Microsoft Excel window titled "Book1 - Microsoft Excel". The ribbon tabs are Home, Insert, Page Layout, Formulas, Data, Review, View, and Developer. The View tab is selected, showing various display options like Ruler, Formula Bar, Gridlines, Headings, and Message Bar. The main worksheet contains a table with columns labeled "S.NO", "NAME", "AGE", and "CITY". The data consists of 21 rows of names, ages, and cities. A message box titled "Microsoft Excel" is displayed in the center, stating "Data has been split into multiple sheets." with an "OK" button. The status bar at the bottom shows "Ready", the date "3/6/2024", and the time "11:57 AM".

S.NO	NAME	AGE	CITY
1	ree Vars	11	imbatore
2	Rathish	15	Chennai
3	thalaksh	17	angalore
4	adharsh	19	Madurai
5	Ashwin	20	Ooty
6	hik Ahn	25	odaikanal
7	Balaji	27	Thirupur
8	harshad	28	Mysore
9	Sounder	18	Mumbai
10	arun R	30	Delhi
11	iruthik	12	imbatore
12	Priyank	30	Delhi
13	Dhanya	13	Mumbai
14	sha Dev	21	Thirupur
15	Preethi	24	Mysore
16	Mukesh	30	Ooty
17	Abinaya	20	imbatore
18	Theeras	18	Chennai
19	amad I	19	imbatore
20	Srikanth	19	angalore
21			
22			
23			
24			