**Filter the Data:**

Sub Filters\_Macro\_Recorder()

'

' Filters\_Macro\_Recorder Macro

'

'

    ActiveSheet.ListObjects("tblData").Range.AutoFilter Field:=4, Criteria1:= \_

        "Product 2"

    ActiveSheet.ListObjects("tblData").Range.AutoFilter Field:=4

    ActiveSheet.ListObjects("tblData").Range.AutoFilter Field:=5, Criteria1:= \_

        ">=500", Operator:=xlAnd, Criteria2:="<=1000"

End Sub

**Refresh the Pivot**

Sub Refresh\_All\_Pivot\_Table\_Caches()

'Refresh all pivot caches in the workbook.

'Pivot tables are automatically refreshed when cache is refreshed.

Dim pc As PivotCache

  'Refresh all pivot tables

  For Each pc In ThisWorkbook.PivotCaches

    pc.Refresh

  Next pc

End Sub

**Full Macro Code to Create a Pivot Table**

Sub InsertPivotTable()  
'Macro By ExcelChamps  
  
'Declare Variables  
Dim PSheet As Worksheet  
Dim DSheet As Worksheet  
Dim PCache As PivotCache  
Dim PTable As PivotTable  
Dim PRange As Range  
Dim LastRow As Long  
Dim LastCol As Long  
  
'Insert a New Blank Worksheet  
On Error Resume Next  
Application.DisplayAlerts = False  
Worksheets("PivotTable").Delete  
Sheets.Add Before:=ActiveSheet  
ActiveSheet.Name = "PivotTable"  
Application.DisplayAlerts = True  
Set PSheet = Worksheets("PivotTable")  
Set DSheet = Worksheets("Data")  
  
'Define Data Range  
LastRow = DSheet.Cells(Rows.Count, 1).End(xlUp).Row  
LastCol = DSheet.Cells(1, Columns.Count).End(xlToLeft).Column  
Set PRange = DSheet.Cells(1, 1).Resize(LastRow, LastCol)  
  
'Define Pivot Cache  
Set PCache = ActiveWorkbook.PivotCaches.Create \_  
(SourceType:=xlDatabase, SourceData:=PRange). \_  
CreatePivotTable(TableDestination:=PSheet.Cells(2, 2), \_  
TableName:="SalesPivotTable")  
  
'Insert Blank Pivot Table  
Set PTable = PCache.CreatePivotTable \_  
(TableDestination:=PSheet.Cells(1, 1), TableName:="SalesPivotTable")  
  
'Insert Row Fields  
With ActiveSheet.PivotTables("SalesPivotTable").PivotFields("Year")  
.Orientation = xlRowField  
.Position = 1  
End With  
With ActiveSheet.PivotTables("SalesPivotTable").PivotFields("Month")  
.Orientation = xlRowField  
.Position = 2  
End With  
  
'Insert Column Fields  
With ActiveSheet.PivotTables("SalesPivotTable").PivotFields("Zone")  
.Orientation = xlColumnField  
.Position = 1  
End With  
  
'Insert Data Field  
With ActiveSheet.PivotTables("SalesPivotTable")  
.PivotFields("Amount")  
.Orientation = xlDataField​  
.Function = xlSum  
.NumberFormat = "#,##0"  
.Name = "Revenue "  
End With  
  
'Format Pivot Table  
ActiveSheet.PivotTables("SalesPivotTable").ShowTableStyleRowStripes = True  
ActiveSheet.PivotTables("SalesPivotTable").TableStyle2 = "PivotStyleMedium9"  
  
End Sub

###### **Example to Protect Worksheet**

Sub sbProtectSheet()

ActiveSheet.Protect "password", True, True

End Sub

Here the left side part is the sheet which you want to protect. the first parameter will be password: you an provide any password to protect worksheet.

###### **Example to UnProtect Worksheet**

Sub sbUnProtectSheet()

ActiveSheet.Unprotect "password"

End Sub

**Read multiple sheet and write to one sheet**

Option Explicit

Private Sub Workbook\_Open()

Call copyAllSheetsToSheet1

End Sub

Sub copyAllSheetsToSheet1()

On Error GoTo ErrHandler

Dim myWs As Worksheet

' READ ALL THE Sheets IN THIS WorkBook.

For Each myWs In ThisWorkbook.Sheets

' IGNORE "Sheet1", SINCE DATA IS IN 2 AND 3.

If myWs.Name <> "Sheet1" Then

If myWs.Name = "Sheet2" Then

' READ DATA RANGE FROM SOURCE AND COPY IT TO ITS DESTINATION SHEET1 AND RANGE.

Sheets(myWs.Name).Range("A1:B10").Copy Destination:=Sheets("Sheet1").Range("B1")

Else

Sheets(myWs.Name).Range("A1:B10").Copy Destination:=Sheets("Sheet1").Range("D1")

End If

End If

Next

ErrHandler:

Debug.Print Err.Description

End Sub

You can use the below code to sort it in ascending order.

Sub SortDataWithoutHeader()

Range("A1:A12").Sort Key1:=Range("A1"), Order1:=xlAscending, Header:=xlNo

End Sub

Note that I have specified the data range manually as Range(“A1:A12”).

In case there might be changes in the data and values might be added/deleted, you can use the below code that automatically adjusts based on the filled cells in the dataset.

Sub SortDataWithoutHeader()

Range("A1", Range("A1").End(xlDown)).Sort Key1:=Range("A1"), Order1:=xlAscending, Header:=xlNo

End Sub

Highlight the duplicate rows

Sub DuplicateValuesFromRow()

'Declare All Variables.

Dim myCell As Range

Dim myRow As Integer

Dim myRange As Range

Dim myCol As Integer

Dim i As Integer

'Count Number of Rows and Columns

myRow = Range(Cells(1, 1), Cells(1, 1).End(xlDown)).Count

myCol = Range(Cells(1, 1), Cells(1, 1).End(xlToRight)).Count

'Loop Each Row To Check Duplicate Values and Highlight cells.

For i = 2 To myRow

Set myRange = Range(Cells(i, 2), Cells(i, myCol))

For Each myCell In myRange

If WorksheetFunction.CountIf(myRange, myCell.Value) > 1 Then

myCell.Interior.ColorIndex = 3

End If

Next

Next

End Sub