

Code & Macros

Here are the main macros and what they do

| Macro Name | Purpose |
|-------------------|---|
| CleanData | Refreshes the Power Query clean data |
| DataImport_Proper | Imports cleaned rows into Master_Sheet, shifting old data down |
| Data_Validation | Applies dropdowns for standardization columns independently |
| SearchHighlight | Highlights any cell in the table matching the search term in E3 |

Clean Data

```
Sub CleanData()  
    ' Refresh the Power Query result table on the Clean_Data sheet  
    ThisWorkbook.Sheets("Clean_Data").ListObjects("Table3_2").QueryTable.Refresh  
    BackgroundQuery:=False  
  
    MsgBox "Clean_Data refreshed!"  
End Sub
```

Data Import

```
Sub DataImport_Proper()  
  
    Dim wsClean As Worksheet  
    Dim wsMaster As Worksheet  
    Dim rngClean As Range  
    Dim firstDataRow As Long  
    Dim rowsToInsert As Long  
  
    '--- Set references
```

```

Set wsClean = ThisWorkbook.Sheets("Clean_Data") ' <-- changed from Raw_Bank_Data
Set wsMaster = ThisWorkbook.Sheets("Master_Sheet")

'--- Row just below your headers in Master_Sheet
firstDataRow = 6 ' adjust if header ends elsewhere

'--- Get all data from Clean_Data (cols A:I)
Set rngClean = wsClean.Range("A2", wsClean.Cells(wsClean.Rows.Count,
"A").End(xlUp)).Resize(, 9)
rowsToInsert = rngClean.Rows.Count

Application.ScreenUpdating = False

'1?? Insert blank rows so old data (including cols J–N) moves down
wsMaster.Rows(firstDataRow & ":" & firstDataRow + rowsToInsert - 1).Insert Shift:=xlDown

'2?? Paste values from Clean_Data into A:I of the new rows
rngClean.Copy
wsMaster.Cells(firstDataRow, 1).PasteSpecial Paste:=xlPasteValues

Application.CutCopyMode = False
Application.ScreenUpdating = True

'3?? Confirmation message
MsgBox "Cleaned Data has been imported to the Master Sheet!", vbInformation

End Sub

```

Data Validation

```
Sub Data_Validation()
```

```
,
```

```
' Data_Validation Macro
```

```
' Keyboard Shortcut: Ctrl+n
```

```
,
```

```
' --- Standardized Service Name ---
```

```
Range("J6").Select
```

```
With Selection.Validation
```

```
    .Delete
```

```
    .Add Type:=xlValidateList, AlertStyle:=xlValidAlertStop, _
```

```
        Operator:=xlBetween, Formula1:="='Standardization '!$C$2:$C$5"
```

```
    .IgnoreBlank = True
```

```
    .InCellDropdown = True
```

```
    .ShowInput = True
```

```
    .ShowError = True
```

```
End With
```

```
' --- Standardized Description ---
```

```
Range("K6").Select
```

```
With Selection.Validation
```

```
    .Delete
```

```
    .Add Type:=xlValidateList, AlertStyle:=xlValidAlertStop, _
```

```
        Operator:=xlBetween, Formula1:="='Standardization '!$D$2:$D$5"
```

```
    .IgnoreBlank = True
```

.InCellDropdown = True

.ShowInput = True

.ShowError = True

End With

' --- Benchmark Unit Price ---

Range("L6").Select

Sheets("Master_Sheet").Select

With Selection.Validation

.Delete

.Add Type:=xlValidateList, AlertStyle:=xlValidAlertStop, _

Operator:=xlBetween, Formula1:="='Standardization '!\$E\$2:\$E\$5"

.IgnoreBlank = True

.InCellDropdown = True

.ShowInput = True

.ShowError = True

End With

' ? Notify user when complete

MsgBox "Dropdowns successfully added!", vbInformation, "Data Validation"

End Sub

Sub Button7_Click()

End Sub

Search Highlight

Sub HighlightSearch()

Dim ws As Worksheet

Dim searchTerm As String

Dim tbl As ListObject

Dim cell As Range

Set ws = ThisWorkbook.Sheets("Master_Sheet")

searchTerm = Trim(ws.Range("E3").Value)

Set tbl = ws.ListObjects(1) ' first (or only) table

Application.ScreenUpdating = False

' remove previous highlights

tbl.DataBodyRange.Interior.ColorIndex = xlNone

' exit if search box is blank

If searchTerm = "" Then

Application.ScreenUpdating = True

Exit Sub

End If

' loop through each cell in the table body

For Each cell In tbl.DataBodyRange

```
If InStr(1, CStr(cell.Value), searchTerm, vbTextCompare) > 0 Then
```

```
    cell.Interior.Color = vbYellow
```

```
End If
```

```
Next cell
```

```
Application.ScreenUpdating = True
```

```
End Sub
```