Sub Auto\_Reports\_Generator()

' Declare variables

Dim connection As Object

Dim recordset As Object

Dim connectionString As String

Dim startRow As Long

Dim endRow As Long

Dim outputWorksheet As Worksheet

Dim templateWorksheet As Worksheet

Dim columnMapping() As String

Dim data() As Variant

Dim rowIndex As Long

Dim columnIndex As Long

' Set variables

startRow = 2 ' The row where data import should start

endRow = 10 ' The row where data import should end

columnMapping = Split("ID,Name,Age", ",") ' Column names in the CSV file

Set outputWorksheet = ThisWorkbook.Sheets("Output") ' The worksheet where the output will be generated

Set templateWorksheet = ThisWorkbook.Sheets("Template") ' The worksheet containing the template

' Set up the connection and recordset

connectionString = "Text;filename=C:\path\to\your\data.csv" ' Replace with the path to your CSV file

Set connection = CreateObject("ADODB.Connection")

Set recordset = CreateObject("ADODB.Recordset")

connection.Open connectionString

recordset.Open "SELECT \* FROM [data.csv] WHERE ID IS NOT NULL", connection, 3, 3, 1

' Copy the header row from the template

templateWorksheet.Rows(1).Copy outputWorksheet.Rows(1)

' Loop through the records and copy the data to the output worksheet

rowIndex = startRow

While Not recordset.EOF

data = Application.Transpose(Application.Transpose(recordset.GetRows)) ' Transpose the data to a 1-based 2D array

For columnIndex = 0 To UBound(data, 2)

outputWorksheet.Cells(rowIndex, columnIndex + 1).Value = data(columnIndex + 1, 1) ' Copy the data to the output worksheet

Next columnIndex

' Perform any additional processing here, e.g., calculations, filters, etc.

' Move to the next record

recordset.MoveNext

rowIndex = rowIndex + 1

Wend

' Clean up

recordset.Close

connection.Close

Set recordset = Nothing

Set connection = Nothing

MsgBox "Reports generated successfully!", vbInformation, "Success"

End Sub