

Power Query + Pivot Tables + Macros => Macro for netting file

*** Company data was hidden, among others: by blurring them, replacing them in the code with xxx**

The Excel file consists of the following tabs:

- UPDATE - which contains detailed instructions on what to do step by step, data for downloading the report and buttons with macros to refresh data in other tabs and generate the final report on the desktop;
- RawData - which contains raw data from SAP;
- Worksheet - which contains transformed data thanks to Power Query;
- tabs with the name Check - which were created thanks to Power Query, indicating possible manual items to be checked;
- PivotTable - contains a summary of data shown in a pivot table.

Finally, a final Excel file is created for the desktop without external connections to Power Query, containing tabs: RawData, Worksheet, PivotTable separated by company codes for easier further analysis.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2	vendor codes	fill your company codes which are in netting	fill the open items date in format dd.mm.rrrr (Tcube opens date)											
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														

macro for netting file

↓

log in into SAP,
fill data on left side and
click a button to download a file
from SAP FBL1N on desktop
(don't make any modifications)

↓

download a file

↓

click button to refresh data and
check if there are any items to
verify in the check tabs

↓

generate 1 part

↓

click button to refresh
pivot table and generate
final report on desktop

↓

generate 2 part

UPDATE	RawData	Worksheet	Check duplicate references	Check credit notes	Check payment blocks A	PivotTable
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Power Query editor:

The downloaded data from SAP was loaded into Power Query and named RawData.

Then the Raw Data table was duplicated and named Worksheet. This is where the data transformation was carried out, such as: removing unnecessary columns, filtering out empty and unnecessary rows based on specific criteria, defining data types.

Then three references to the Worksheet table were created, named:

Check duplicate reference number in column - reference,
Check credit notes in column - amount in document currency,
Check payment blocks A in column - payment block,
these tables are intended to check given conditions and show possible items for manual checking. They used such data transformations as: grouping, filtering, combining queries by join, adding a custom column, removing unnecessary columns.

The screenshots below show the data transformations.

RawData - Power Query Editor

FileHomeTransformAdd ColumnView

Close & LoadClose

Refresh PreviewQuery

Properties Advanced EditorManageQuery

Choose ColumnsManage Columns

Remove ColumnsReduce Rows

Keep RowsSort

Remove Rows

Split ColumnGroup By

Use First Row as HeadersReplace ValuesTransform

Merge QueriesAppend QueriesCombineFilesCombineParameters

Manage ParametersParameters

Data source settingsData Sources

New SourceRecent SourcesEnter DataNew Query

To help protect your security, your web browser has restricted this file from showing active content that could access your computer. Click here for options...

Queries [5]

RawData

Worksheet

Check duplicate r...

Check credit note...

Check payment b...

Table.TransformColumnTypes

#"Promoted Headers"

{{"Cleared/open items symbol", type text}, {"Company Code", Int64.Type}, {"Assignment", type text}, {"Year/month", type

123

A8C

Cleared/open items symbol

123

Company Code

A8C

Assignment

123

Year/month

A8C

Posting Date

A8C

Account

123

Trading partner

123

Document N

Valid < 1% Valid 99% Valid 0% Valid 99% Valid 100% Valid 99% Valid 0%

Error 0% Error 0% Error 0% Error 0% Error 0% Error 0% Error 0%

Empty 99% Empty < 1% Empty 100% Empty < 1% Empty 0% Empty < 1% Empty 0%

1

2

3

4

5

6

7

8

Query Settings

PROPERTIES

Name

RawData

All Properties

APPLIED STEPS

Source

Navigation

Promoted Headers

Changed Type

RawData - Power Query Editor

FileHomeTransformAdd ColumnView

Close & LoadClose

Refresh PreviewQuery

Properties Advanced EditorManageQuery

Choose ColumnsManage Columns

Remove ColumnsReduce Rows

Keep RowsSort

Remove Rows

Split ColumnGroup By

Use First Row as HeadersReplace ValuesTransform

Merge QueriesAppend QueriesCombineFilesCombineParameters

Manage ParametersParameters

Data source settingsData Sources

New SourceRecent SourcesEnter DataNew Query

To help protect your security, your web browser has restricted this file from showing active content that could access your computer. Click here for options...

Queries [5]

RawData

Worksheet

Check duplicate r...

Check credit note...

Check payment b...

Table.SelectRows

#"Removed Columns"

each ([Company Code] <> null))

123

Company Code

A8C

Assignment

123

Year/month

A8C

Posting Date

A8C

Account

123

Trading partner

123

Document Number

A8C

Reference

Valid 100% Valid 0% Valid 100% Valid 100% Valid 100% Valid 100% Valid 100% Valid 0%

Error 0% Error 0% Error 0% Error 0% Error 0% Error 0% Error 0%

Empty 0% Empty 100% Empty 0% Empty 0% Empty 0% Empty 0% Empty 0%

1

2

3

4

5

6

7

8

9

10

11

12

Query Settings

PROPERTIES

Name

Worksheet

All Properties

APPLIED STEPS

Source

Navigation

Promoted Headers

Changed Type

Removed Columns

Filtered Rows

FirstDayOfTheNextMonth

Filtered Date Rows

Unfiltered payment block R

Filter Rows

Apply one or more filter conditions to the rows in this table.

Basic

Advanced

Keep rows where 'Company Code'

does not equal

1,2

null

And

Or

1,2

Enter or select a value

OK

Cancel

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Date.From(Date.StartOfMonth(Date.AddMonths(DateTime.LocalNow(), 1)))

08/01/24

Query Settings

PROPERTIESNameWorksheetAll Properties

APPLIED STEPS

SourceNavigationPromoted HeadersChanged TypeRemoved ColumnsFiltered RowsFirstDayOfTheNextMonthFiltered Date RowsUnfiltered payment block R

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Table.SelectRows("#Filtered Rows", each [Net due date] < FirstDayOfTheNextMonth)

	123	Trading partner	123	Document Number	A6C	Reference	A6C	Document type		Document Date	A6C	Special G/L ind.		Net due date	1.2	Amount
	100%	Valid	100%	Valid	100%	Valid	100%	Valid	100%	Valid	100%	Valid	10%	Valid	100%	Valid
	0%	Error	0%	Error	0%	Error	0%	Error	0%	Error	0%	Error	0%	Error	0%	Error
	0%	Empty	0%	Empty	0%	Empty	0%	Empty	0%	Empty	0%	Empty	90%	Empty	0%	Empty
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Filter Rows

Apply one or more filter conditions to the rows in this table.

BasicAdvanced

Keep rows where 'Net due date'

is before

AndOr

Enter or select a value

OKCancel

Query Settings

PROPERTIESNameWorksheetAll Properties

APPLIED STEPS

SourceNavigationPromoted HeadersChanged TypeRemoved ColumnsFiltered RowsFirstDayOfTheNextMonthFiltered Date RowsUnfiltered payment block R

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Table.Group(Source, {"Company Code", "Account", "Reference"}, {"Count of duplicates", each Table.RowCount(_), Int64.Type})

	123 Company Code	100% Valid	0% Error	0% Empty	A0C Account	100% Valid	0% Error	0% Empty	A0C Reference	100% Valid	0% Error	0% Empty	123 Count of duplicates	100% Valid	0% Error	0% Empty
1													1			
2													1			
3													1			
4													1			
5													1			
6													1			
7													1			
8													1			
9													1			
10													1			
11													1			
12													1			
13													1			
14													1			
15													1			
16													1			

Group By

Specify the columns to group by and one or more outputs.

Basic

Advanced

Company Code

Account

Reference

Add grouping

New column name

Count of duplicates

Operation

Count Rows

Column

Add aggregation

OK

Cancel

Query Settings

PROPERTIES

Name

Check duplicate reference numbers in column - reference

All Properties

APPLIED STEPS

Source

Grouped Rows

Filtered Rows

Merged Queries

Expanded Worksheet

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Table.SelectRows("#Grouped Rows", each [Count of duplicates] > 1)

	123 Company Code	100% Valid	0% Error	0% Empty	A0C Account	100% Valid	0% Error	0% Empty	A0C Reference	100% Valid	0% Error	0% Empty	123 Count of duplicates	100% Valid	0% Error	0% Empty
--	------------------	------------	----------	----------	-------------	------------	----------	----------	---------------	------------	----------	----------	-------------------------	------------	----------	----------

This table is empty.

Filter Rows

Apply one or more filter conditions to the rows in this table.

Basic

Advanced

Keep rows where 'Count of duplicates'

is greater than

1.2

1

And

Or

1.2

Enter or select a value

OK

Cancel

Query Settings

PROPERTIES

Name

Check duplicate reference numbers in column - reference

All Properties

APPLIED STEPS

Source

Grouped Rows

Filtered Rows

Merged Queries

Expanded Worksheet

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

✕

✓

fx

= Table.NestedJoin("#Filtered Rows", {"Company Code", "Account", "Reference"}, Worksheet, {"Company Code", "Account", "Reference"}, "Worksheet", JoinKind.LeftOuter)

123 Company Code

Account

Reference

Count of duplicates

Worksheet

This table is empty.

Query Settings

PROPERTIES

Name

Check duplicate reference numbers in column - reference

All Properties

APPLIED STEPS

Source

Grouped Rows

Filtered Rows

Merged Queries

Expanded Worksheet

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

✕

✓

fx

= Table.ExpandTableColumn("#Merged Queries", "Worksheet", {"Document Number", "Amount in doc. curr.", "Document currency"}, {"Document Number", "Amount in doc. curr.", "Document currency"})

123 Company Code

Account

Reference

Count of duplicates

Document Number

Amount in doc. curr.

Document currency

This table is empty.

Expand Worksheet

Select the columns to expand.

Search Columns

Company Code

Assignment

Year/month

Posting Date

Account

Trading partner

Document Number

Reference

Document type

Document Date

Special G/L ind.

Net due date

Amount in doc. curr.

Document currency

Amount in local currency

Local Currency

Clearing Document

Text

Tax Code

Payment Block

Default column name prefix (optional)

OK

Cancel

Query Settings

PROPERTIES

Name

Check duplicate reference numbers in column - reference

All Properties

APPLIED STEPS

Source

Grouped Rows

Filtered Rows

Merged Queries

Expanded Worksheet

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Table.RemoveColumns(#"Filtered Rows",{"Assignment", "Year/month", "Posting Date", "Trading partner", "Document type", "Document Date", "Special G/L ind.", "Net due date", "Amount in local currency", "Local Currency", "Clearing Document", "Text", "Tax Code", "Payment Block", "User Name"})

	Account	123 Document Number	ABC Reference	1.2 Amount in doc. curr.	ABC Document currency	Baseline Payment Dte	ABC Credit Note was found
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1							TRUE

Query Settings

PROPERTIES

Name

Check credit notes in column - amount in document currency

All Properties

APPLIED STEPS

Source

Added Custom

Filtered Rows

Removed Columns

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Worksheet

	123 Company Code	ABC Assignment	Year/month	Posting Date	ABC Account	123 Trading partner	123 Document Number	ABC Referen
	Valid 100% Error 0% Empty 0%	Valid 0% Error 0% Empty 100%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 0% Error 0% Empty 0%
1								
2								
3								
4								
5								
6								

Query Settings

PROPERTIES

Name

Check payment blocks A in column - payment block

All Properties

APPLIED STEPS

Source

Filtered Rows

Removed Columns

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Table.SelectRows(Source, each [Payment Block] = "A")

	urrency	123 Clearing Document	ABC Text	ABC Tax Code	ABC Payment Block	Baseline Payment Dte	ABC User Name

This table is empty.

Filter Rows

Apply one or more filter conditions to the rows in this table.

Basic

Advanced

Keep rows where 'Payment Block'

equals

ABC -

A

And

Or

ABC -

Enter or select a value

OK

Cancel

Query Settings

PROPERTIES

Name

Check payment blocks A in column - payment block

All Properties

APPLIED STEPS

Source

Filtered Rows

Removed Columns

Queries [5]

RawDataWorksheetCheck duplicate r...Check credit note...Check payment b...

fx

= Table.RemoveColumns(#"Filtered Rows",{"Assignment", "Year/month", "Posting Date", "Trading partner", "Document type", "Document Date", "Special G/L ind.", "Net due date", "Amount in local currency", "Local Currency", "Clearing Document", "Text", "Tax Code", "Baseline Payment Dte", "User Name"})

	123 Company Code	ABC Account	123 Document Number	ABC Reference	1.2 Amount in doc. curr.	ABC Document currency	ABC Payment Block

This table is empty.

Query Settings

PROPERTIES

Name

Check payment blocks A in column - payment block

All Properties

APPLIED STEPS

Source

Filtered Rows

Removed Columns

Excel:

The above tables were loaded from Power Query to Excel.

Queries & Connections

Queries

Connections

5 queries

RawData

2,219 rows loaded.

Worksheet

41 rows loaded.

Check duplicate reference numbers in column - reference

0 rows loaded.

Check credit notes in column - amount in document currency

1 row loaded.

Check payment blocks A in column - payment block

0 rows loaded.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
	Cleared/open items symbol	Company Code	Assignment	Year/month	Posting Date	Account	Trading partner	Document Number	Reference	Document type	Document Date	Special G/L Ind	Net due date symbol	Net due date	Amount in doc. curr.	Document currency	Amount in local currency	Local Currency	Clearing Document	Text	Tax Code	Payment Block	Baseline Payment Dte	User Name
1																								
2																								
3																								
4																								

UPDATE

RawData

Worksheet

Check duplicate references

Check credit notes

Check payment blocks A

PivotTable

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Company Code	Assignment	Year/month	Posting Date	Account	Trading partner	Document Number	Reference	Document type	Document Date	Special G/L ind	Net due date	Amount in doc. curr.	Document currency	Amount in local currency	Local Currency	Clearing Document	Text	Tax Code	Payment Block	Baseline Payment Dte	User Name
2																						
3																						
4																						
5																						
6																						
7																						

UPDATE

RawData

Worksheet

Check duplicate references

Check credit notes

Check payment blocks A

PivotTable

	A	B	C	D	E	F	G	H
1	Company Code	Account	Reference	Count of duplicates	Document Number	Amount in doc. curr.	Document currency	
2								
3								
4								
5								
6								
7								

UPDATE

RawData

Worksheet

Check duplicate references

Check credit notes

Check payment blocks A

PivotTable

	A	B	C	D	E	F	G	H
1	Company Code	Account	Document Number	Reference	Amount in doc. curr.	Document currency	Baseline Payment Dte	Credit Note was found
2								
3								
4								
5								
6								
7								

UPDATE
RawData
Worksheet
Check duplicate references
Check credit notes
Check payment blocks A
PivotTable
+

	A	B	C	D	E	F	G	H
1	Company Code	Account	Document Number	Reference	Amount in doc. curr.	Document currency	Payment Block	
2								
3								
4								
5								
6								
7								

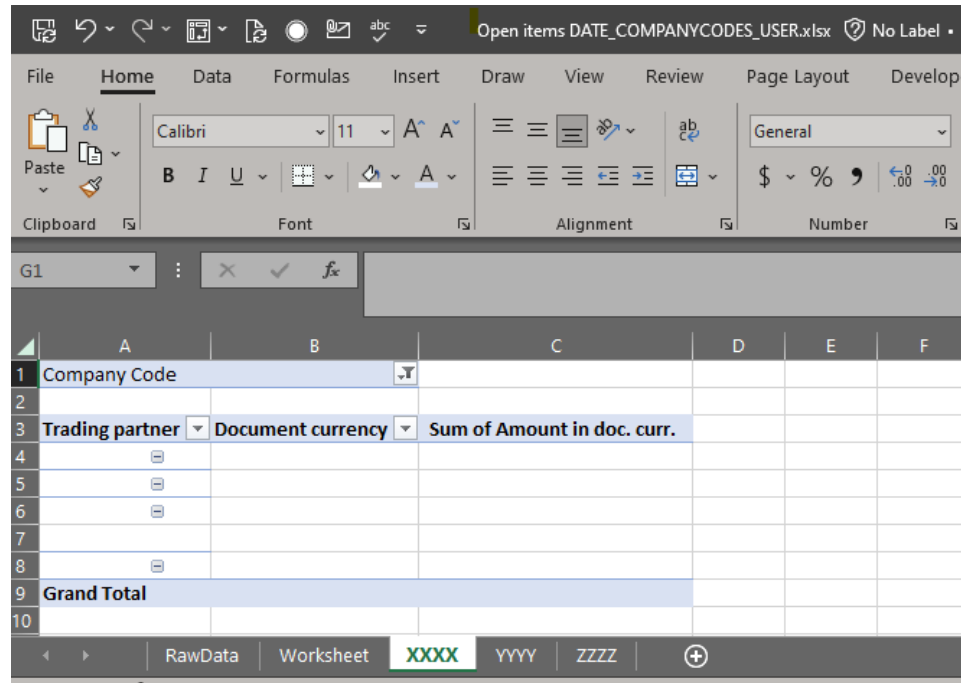
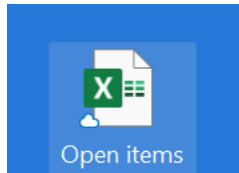
UPDATE
RawData
Worksheet
Check duplicate references
Check credit notes
Check payment blocks A
PivotTable

A pivot table was created based on the data from the Worksheet.

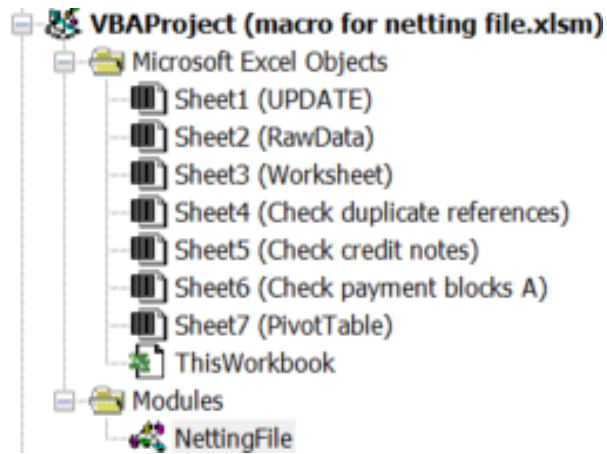
	A	B	C	D	E	F	G	H	I	J
1										
2		Company Code	All							
3										
4		Trading partner	Document currency	Sum of Amount in doc. curr.						
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

UPDATE
RawData
Worksheet
Check duplicate references
Check credit notes
Check payment blocks A
PivotTable

Generated final report:



VBA editor:



Code for button: download a file

Option Explicit

```
'created by Wiktoria Sliwinska  
'macro for netting file
```

```
Sub downloading_a_file_from_SAP()
```

```
    'turn on the SAP library: C:\Program Files (x86)\SAP\FrontEnd\SAPgui\sapfewse.ocx  
    'log into SAP before macro execution
```

```
On Error GoTo ErrorHandler
```

```
Dim SapGuiAuto As Object  
Dim objGui As Object  
Dim objConn As Object  
Dim objSess As Object
```

```
Set SapGuiAuto = GetObject("SAPGUI")  
Set objGui = SapGuiAuto.GetScriptingEngine  
Set objConn = objGui.Children(0)  
Set objSess = objConn.Children(0)
```

```
Dim wsMacro As Worksheet  
Set wsMacro = ThisWorkbook.Sheets("UPDATE")
```

```
Dim rng As Range  
Dim lastRow As Long
```

```
'enter transaction  
objSess.FindById("wnd[0]/tbar[0]/okcd").Text = "fb11n"  
objSess.FindById("wnd[0]").SendVKey 0
```

```
'enter vendor accounts  
lastRow = wsMacro.Cells(wsMacro.Rows.Count, "A").End(xlUp).Row  
Set rng = wsMacro.Range("A3:A" & lastRow)  
rng.Copy  
objSess.FindById("wnd[0]/usr/ctxtKD_LIFNR-LOW").Text = ""  
objSess.FindById("wnd[0]/usr/btn%_KD_LIFNR_%_APP_%-VALU_PUSH").Press  
Application.Wait (Now + TimeValue("0:00:01")) 'added delay  
objSess.FindById("wnd[1]").SendVKey 24  
Application.Wait (Now + TimeValue("0:00:01")) 'added delay  
objSess.FindById("wnd[1]").SendVKey 8
```

```

'enter company codes
lastRow = wsMacro.Cells(wsMacro.Rows.Count, "B").End(xlUp).Row
Set rng = wsMacro.Range("B3:B" & lastRow)
rng.Copy
objSess.FindById("wnd[0]/usr/ctxtKD_BUKRS-LOW").Text = ""
objSess.FindById("wnd[0]/usr/btn%_KD_BUKRS_%_APP_%-VALU_PUSH").Press
Application.Wait (Now + TimeValue("0:00:01")) 'added delay
objSess.FindById("wnd[1]").SendVKey 24
Application.Wait (Now + TimeValue("0:00:01")) 'added delay
objSess.FindById("wnd[1]").SendVKey 8

'clean up the clipboard
Application.CutCopyMode = False

'open items
objSess.FindById("wnd[0]/usr/ctxtPA_STIDA").Text = wsMacro.Range("C3").Value

'check normal items and special G/L transactions
objSess.FindById("wnd[0]/usr/chkX_NORM").Selected = True
objSess.FindById("wnd[0]/usr/chkX_SHBV").Selected = True

'execute
objSess.FindById("wnd[0]/tbar[1]/btn[8]").Press

'wait for the report to load
Application.Wait (Now + TimeValue("0:00:06"))

'save a file EXPORT.xlsx on desktop
objSess.FindById("wnd[0]/mbar/menu[0]/menu[3]/menu[1]").Select
Application.Wait (Now + TimeValue("0:00:01")) 'added delay
objSess.FindById("wnd[1]/tbar[0]/btn[0]").Press
Application.Wait (Now + TimeValue("0:00:01")) 'added delay
objSess.FindById("wnd[1]/usr/ctxtDY_PATH").Text = Environ("USERPROFILE") & "\\OneDrive - XXXX\\Desktop"
objSess.FindById("wnd[1]/tbar[0]/btn[0]").Press

'exit transaction and go to homepage
objSess.FindById("wnd[0]/tbar[0]/btn[3]").Press
objSess.FindById("wnd[0]/tbar[0]/btn[3]").Press

MsgBox "Done. Close the SAP report.", vbInformation, "Information"

ExitSub:
Exit Sub

```

```
ExitSub:
    Exit Sub

ErrorHandler:
    MsgBox "Error: " & Err.Description, vbExclamation, "Error"
    Resume ExitSub

End Sub
```

Code for button: generate 1 part

```
Sub refresh_data()

    ActiveWorkbook.RefreshAll
    MsgBox "Verify check tabs."

End Sub
```

Code for button: generate 2 part

```

Sub refresh_pivot_table_and_generate_report()

    Application.ScreenUpdating = False 'turns off the visibility of windows
    Application.DisplayAlerts = False 'turns off the visibility of Excel alerts

    ActiveWorkbook.Sheets("PivotTable").PivotTables("PivotTableNetting").PivotCache.Refresh
    ActiveWorkbook.Sheets("PivotTable").Columns("D:D").Style = "Comma"

    'save the current excel file
    ActiveWorkbook.Save

    'create final file

    'define paths and file names
    Dim desktopPath As String
    desktopPath = Environ("USERPROFILE") & "\OneDrive - XXXX\Desktop\"
    Dim FinalReportName As String
    Dim FinalReportPath As String
    FinalReportName = "Open items DATE_COMPANYCODES_USER.xlsx"
    FinalReportPath = desktopPath & FinalReportName

    'create a new workbook
    Dim NewWorkbook As Workbook
    Set NewWorkbook = Workbooks.Add

    'copy data from the existing sheets to the new workbook
    With ThisWorkbook
        .Sheets("RawData").Copy Before:=NewWorkbook.Sheets(1)
        NewWorkbook.Sheets(1).Name = "RawData"
        .Sheets("Worksheet").Copy After:=NewWorkbook.Sheets("RawData")
        NewWorkbook.Sheets("Worksheet").Name = "Worksheet"
    End With

    'delete the default "Sheet1" sheet in the new workbook
    NewWorkbook.Sheets("Sheet1").Delete

```



```

'unlink the tables in the copied sheets to remove Power Query connections
NewWorkbook.Sheets("RawData").ListObjects("RawData").Unlink
NewWorkbook.Sheets("Worksheet").ListObjects("Worksheet").Unlink

'remove all Power Query connections in the new workbook
Dim pq As Object
For Each pq In NewWorkbook.Queries
    pq.Delete
Next pq
'remove all connections in the new workbook
Dim conn As WorkbookConnection
For Each conn In NewWorkbook.Connections
    On Error Resume Next
    conn.Delete
    On Error GoTo 0
Next conn

'creating pivot tables

'framework of a pivot table

Dim Destination, RangeData As Range

Sheets.Add(After:=Worksheets("Worksheet")).Name = "PivotTable"

Set RangeData = Worksheets("Worksheet").Range("A1").CurrentRegion
Set Destination = Worksheets("PivotTable").Range("B4")

ActiveWorkbook.PivotCaches.Create _
(SourceType:=xlDatabase, SourceData:=RangeData) _
.CreatePivotTable TableDestination:=Destination, TableName:="NettingPivotTable"

'fields collection of a pivot table

Dim PvtTable As PivotTable
Set PvtTable = Worksheets("PivotTable").PivotTables("NettingPivotTable")

Dim PageName, RowName1, RowName2, ColumnName, DataName As String
PageName = "Company Code"
RowName1 = "Trading partner"
RowName2 = "Document currency"
'ColumnName =
DataName = "Amount in doc. curr."

```

```

With PvtTable
    .PivotFields(PageName).Orientation = xlPageField
    .PivotFields(RowName1).Orientation = xlRowField 'Position = 1
    .PivotFields(RowName2).Orientation = xlRowField 'Position = 2
    .PivotFields(ColumnName).Orientation = xlColumnField
    .PivotFields(DataName).Orientation = xlDataField 'making "Sum of Amount in doc. curr."
End With

'loop through all pivot fields and remove subtotals

Dim PvtField As PivotField

For Each PvtField In PvtTable.PivotFields
    PvtField.Subtotals(1) = True
    PvtField.Subtotals(1) = False
Next PvtField

'show pivot table in tabular form

PvtTable.RowAxisLayout xlTabularRow

'set comma style (format with a thousands separator)

Columns("D:D").Select
Selection.Style = "Comma"

'set autofit on columns

Columns("B:D").Select
Columns("B:D").EntireColumn.AutoFit

'set focus on cell A1

Range("A1").Select

'show for each company code separate tab

ActiveSheet.PivotTables("NettingPivotTable").ShowPages PageField:="Company Code"

```

```

'check if the worksheet name is a four-digit number (company code) and apply the specified modifications to those worksheets

Dim ws As Worksheet
Dim i As Integer
i = 1 'initial number of sheet
NewWorkbook.Activate

For Each ws In Sheets

If Len(ws.Name) = 4 And IsNumeric(ws.Name) Then
ws.Activate
    With ws
        .Columns("C:C").Style = "Comma"
        .Columns("A:C").EntireColumn.AutoFit
        .Range("A1").Select
    End With

    i = i + 1

End If

Next ws


'hide PivotTable tab
Sheets("PivotTable").Select
ActiveWindow.SelectedSheets.Visible = False


'save and close the final report
NewWorkbook.SaveAs Filename:=FinalReportPath
NewWorkbook.Close 'SaveChanges:=True


Application.ScreenUpdating = True 'turns on the visibility of windows
Application.DisplayAlerts = True 'turns on the visibility of Excel alerts


'display message that file is ready
MsgBox "File is ready", vbInformation, "Information"

End Sub

```