

VBA SOURCE CODE BOOK

DRILL DOWN PROFIT & LOSS

Refresh Report From: 1/1/2022 To: 3/31/2022 Print Report

Profit & Loss - From: 01/01/2022 To: 03/31/2022

Income	
- Materials Sold	\$24,951.00
1/1/2022 Materials Sold for Job #1252	\$4,569.00
1/16/2022 Materials Sold for Job #1252	\$4,794.00
1/31/2022 Materials Sold for Job #1252	\$4,737.00
2/15/2022 Materials Sold for Job #1252	\$4,747.00
3/2/2022 Materials Sold for Job #1252	\$1,295.00
3/17/2022 Materials Sold for Job #1252	\$4,809.00
+ Labor Sold	\$28,230.00
+ Interest Earned	\$8,642.00
+ Dividend Earned	\$10,518.00
Total Income	\$72,341.00
COGS	
+ Materials Purchased	\$6,785.00
+ Technician Labor	\$4,406.00
+ Technician Fuel	\$5,938.00
+ COGS	\$932.00
Total COGS	\$18,061.00
Gross Profit	\$54,280.00
Expenses	
+ Tools Purchased	\$4,276.00
+ Office Lease	\$5,137.00
+ Uniform Costs	\$4,127.00
+ Federal Taxes	\$5,107.00
+ Staff Meals	\$4,159.00
+ Office Utilities	\$4,697.00
+ Equipment	\$7,751.00
+ Office Supplies	\$4,720.00
Total Expenses	\$39,974.00
Net Profit	\$14,306.00

DRILL DOWN PROFIT & LOSS



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by: *Randy Austin*

ABOUT THE AUTHOR

A two-time Microsoft MVP & lifetime Excel enthusiast, Randy Austin founded Excel For Freelancers in 2017. Excel For Freelancers quickly became the most prominent resource Excel for developers to learn how to turn their passion for Excel into profits by building & selling their own excel-based applications for passive & recurring income.

With over 400,000 YouTube subscribers, 15,000,000 video views, 200+ comprehensive training videos, and a thriving 50,000 member Facebook community, Excel For Freelancers has positioned itself as the #1 Excel developers resource in the world.

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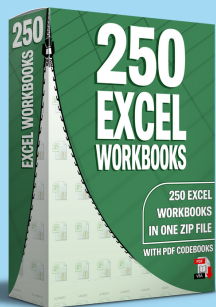
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Table of Contents

Projects.....	2
VBAProject.....	2
Documents.....	2
ProfitLoss.....	2
(Declarations).....	2
Worksheet_Change [Sub].....	2
Worksheet_SelectionChange [Sub].....	2
ThisWorkbook.....	3
(Declarations).....	3
TransDB.....	4
(Declarations).....	4
Modules.....	5
ProfitAndLoss.....	5
(Declarations).....	5
PrintReport [Sub].....	5
ProfitLoss_Refresh [Sub].....	5

```

1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     If Not Intersect(Target, Range("E3,G3" )) Is Nothing Then ProfitLoss_Refresh 'run
       report on date change
5 End Sub
6
7 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
8     If Not Intersect(Target, Range("C7:C9999" )) Is Nothing Then
9         If Range("C" & Target.Row).Value <> "+" And Range("C" & Target.Row).Value <>
           "-" Then Exit Sub
10        Dim LastDataRow As Long, LastPLRow As Long, LastResultRow As Long, ResultRows As
           Long, SelRow As Long
11        Dim ShrinkRows As Long
12        If Target.CountLarge > 1 Then Exit Sub
13        If Target.Value = "" Then Exit Sub
14        LastPLRow = Range("C9999" ).End(xlUp).Row
15        SelRow = Target.Row
16        Application.EnableEvents = False
17        Application.ScreenUpdating = False
18        If Range("C" & Target.Row).Value = "+" Then 'Expand
19            TransDB.Range("AU3" ).Value = Range("D" & SelRow).Value 'Set Account
           Criteria
20            LastDataRow = TransDB.Range("A99999" ).End(xlUp).Row 'Last Transrow
21            LastResultRow = TransDB.Range("AA99999" ).End(xlUp).Row
22            If LastResultRow < 3 Then Exit Sub
23            Target.Value = "-" 'Shrink icon
24            TransDB.Range("A2:F" & LastDataRow).AdvancedFilter xlFilterCopy,
           CriteriaRange:=TransDB.Range("AS2:AU3" ), CopyToRange:=TransDB.Range(
           "AW2:AZ2" ), Unique:=True
25            LastResultRow = TransDB.Range("AW99999" ).End(xlUp).Row
26            If LastResultRow < 3 Then Exit Sub
27            ResultRows = LastResultRow - 2 'Number Of Results
28            Range("C" & SelRow + 1 & ":I" & LastPLRow).Copy
29            Range("C" & SelRow + 1 + ResultRows).PasteSpecial xlPasteValues
30            Range("C" & SelRow + 1 & ":I" & SelRow + ResultRows).ClearContents
31            Range("D" & SelRow + 1 & ":G" & SelRow + ResultRows).Value = TransDB.Range(
           "AW3:AZ" & LastResultRow).Value
32        Else 'Shrink
33            Target.Value = "+"
34            ShrinkRows = Range(Cells(Target.Row + 1, Target.Column), Cells(999999, Target.
           Column)).Find("*" , , xlValues, xlWhole).Row - Target.Row - 1 'Determine # of
           Rows to shrink
35            Range("D" & SelRow + 1 & ":G" & SelRow + ShrinkRows).ClearContents 'Clear
           Expanded Data
36            Range("C" & SelRow + ShrinkRows + 1 & ":I" & LastPLRow).Copy
37            Range("C" & SelRow + 1).PasteSpecial xlPasteValues
38            Range("C" & LastPLRow - ShrinkRows + 1 & ":I" & LastPLRow).ClearContents
           'Clear Out last duplicated lines
39        End If
40        Application.CutCopyMode = False
41        Application.EnableEvents = True
42        Application.ScreenUpdating = True
43        Range("E3" ).Select
44    End If
45 End Sub

```

1 Option Explicit

2

1 Option Explicit

2

```

1 Option Explicit
2
3
4 Sub PrintReport()
5     Dim PrintRange As String
6     PrintRange = ProfitLoss.Range("B5:I" & ProfitLoss.Range("C99999").End(xlUp).Row).
7     Address 'Address of Print Range
8     ProfitLoss.PageSetup.PrintArea = PrintRange
9     ProfitLoss.PrintOut , , , False, True, , , False
10 End Sub
11
12 Sub ProfitLoss_Refresh()
13     Dim PLRow As Long, LastTransRow As Long, LastIncRow As Long, LastCOGSRow As Long,
14     LastExpRow As Long
15     ProfitLoss.Range("B7:I99999").ClearContents 'Clear all values in existing Report
16     With TransDB
17         LastTransRow = .Range("A99999").End(xlUp).Row 'Last Trans. Row
18         .Range("AJ3:AQ9999").ClearContents 'Clear Prev. Results
19         'Income results
20         .Range("AC3").Value = "Income" 'Set Income Criteria
21         .Range("A2:F" & LastTransRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range
22         ("AA2:AC3"), CopyToRange:=.Range("AJ2"), Unique:=True
23         LastIncRow = .Range("AJ99999").End(xlUp).Row 'Last income Row
24         If LastIncRow > 2 Then .Range("AK3:AK" & LastIncRow).Formula = .Range("AK2").
25         Formula 'Bring Down Income Formula
26
27         'COGS Results
28         .Range("AC3").Value = "COGS" 'Set COGS Criteria
29         .Range("A2:F" & LastTransRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range
30         ("AA2:AC3"), CopyToRange:=.Range("AM2"), Unique:=True
31         LastCOGSRow = .Range("AJ99999").End(xlUp).Row 'Last COGS Row
32         If LastCOGSRow > 2 Then .Range("AN3:AN" & LastCOGSRow).Formula = .Range("AN2").
33         Formula 'Bring Down COGS Formula
34
35         'Expense Results
36         .Range("AC3").Value = "Expense" 'Set Expense Criteria
37         .Range("A2:F" & LastTransRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range
38         ("AA2:AC3"), CopyToRange:=.Range("AP2"), Unique:=True
39         LastExpRow = .Range("AP99999").End(xlUp).Row 'Last Expenses Row
40         If LastExpRow > 2 Then .Range("AQ3:AQ" & LastExpRow).Formula = .Range("AQ2").
41         Formula 'Bring Down Expense Formula
42
43         PLRow = 7 'Set Initial row for P & L
44         If LastIncRow < 3 Then GoTo NoInc
45         ProfitLoss.Range("C" & PLRow & ":C" & PLRow + LastIncRow - 3).Value = "+"
46         'Add in Expander Icons
47         ProfitLoss.Range("D" & PLRow & ":D" & PLRow + LastIncRow - 3).Value = .Range(
48         "AJ3:AJ" & LastIncRow).Value 'Income Accounts
49         ProfitLoss.Range("H" & PLRow & ":H" & PLRow + LastIncRow - 3).Value = .Range(
50         "AK3:AK" & LastIncRow).Value 'Income Amounts
51         NoInc:
52         If LastIncRow > 2 Then PLRow = PLRow + LastIncRow - 2 'Update Pl Row
53         ProfitLoss.Range("C" & PLRow).Value = "Total Income" 'Add Total income Label
54         ProfitLoss.Range("H" & PLRow).Value = [TotalIncome] 'Total Income
55         PLRow = PLRow + 1 'Increment P & L Row
56         ProfitLoss.Range("C" & PLRow).Value = "COGS"
57         PLRow = PLRow + 1 'Increment P & L Row
58         If LastCOGSRow < 3 Then GoTo NoCOGS
59         ProfitLoss.Range("C" & PLRow & ":C" & PLRow + LastCOGSRow - 3).Value = "+"
60         'Add in Expander Icons
61         ProfitLoss.Range("D" & PLRow & ":D" & PLRow + LastCOGSRow - 3).Value = .Range(

```



```

1 2
"AM3:AM" & LastCOGSRow).Value 'COGS Accounts
50 ProfitLoss.Range("H" & PLRow & ":H" & PLRow + LastCOGSRow - 3).Value = .Range(
"AN3:AN" & LastCOGSRow).Value 'COGS Amounts
51 NoCOGS:
52 If LastCOGSRow > 2 Then PLRow = PLRow + LastCOGSRow - 2 'Update P1 Row
53 ProfitLoss.Range("C" & PLRow).Value = "Total COGS" 'Add Total COGS Label
54 ProfitLoss.Range("H" & PLRow).Value = [TotalCOGS] 'Total COGS
55 PLRow = PLRow + 1 'Increment P & L Row
56 ProfitLoss.Range("C" & PLRow).Value = "Gross Profit"
57 ProfitLoss.Range("I" & PLRow).Value = [GrossProfit]
58 PLRow = PLRow + 1 'Increment P & L Row
59 'Add In Expenses
60 ProfitLoss.Range("C" & PLRow).Value = "Expenses"
61 PLRow = PLRow + 1 'Increment P & L Row
62 If LastExpRow < 3 Then GoTo NoExp
63 ProfitLoss.Range("C" & PLRow & ":C" & PLRow + LastExpRow - 3).Value = "+"
'Add in Expander Icons
64 ProfitLoss.Range("D" & PLRow & ":D" & PLRow + LastExpRow - 3).Value = .Range(
"AP3:AP" & LastExpRow).Value 'Exp Accounts
65 ProfitLoss.Range("H" & PLRow & ":H" & PLRow + LastExpRow - 3).Value = .Range(
"AQ3:AQ" & LastExpRow).Value 'Exp Amounts
66 NoExp:
67 If LastExpRow > 2 Then PLRow = PLRow + LastExpRow - 2 'Update P1 Row
68 ProfitLoss.Range("C" & PLRow).Value = "Total Expenses" 'Add Total Expenses
Label
69 ProfitLoss.Range("H" & PLRow).Value = [TotalExpenses] 'Total Expenses
70 PLRow = PLRow + 1 'Increment P & L Row
71 ProfitLoss.Range("C" & PLRow).Value = "Net Profit"
72 ProfitLoss.Range("I" & PLRow).Value = [NetProfit]
73 End With
74
75 End Sub

```

A

Address, 5
AdvancedFilter, 2, 5
Application, 2

C

Cells, 2
ClearContents, 2, 5
Column, 2
Copy, 2
CopyToRange, 2, 5
CountLarge, 2
CriteriaRange, 2, 5
CutCopyMode, 2

E

EnableEvents, 2
Explicit, 2-5

F

Find, 2
Formula, 5

G

GrossProfit, 6

I

Intersect, 2

L

LastCOGSRow, 5, 6
LastDataRow, 2
LastExpRow, 5, 6
LastIncRow, 5
LastPLRow, 2
LastResultRow, 2
LastTransRow, 5

N

NetProfit, 6
NoCOGS, 5, 6
NoExp, 6
NoInc, 5

P

PageSetup, 5
PasteSpecial, 2
PLRow, 5, 6
PrintArea, 5
PrintOut, 5
PrintRange, 5
PrintReport, 5
ProfitLoss, 5, 6
ProfitLoss_Refresh, 2, 5

R

Range, 2, 5, 6
ResultRows, 2
Row, 2, 5

S

ScreenUpdating, 2
SelRow, 2
ShrinkRows, 2

T

Target, 2
TotalCOGS, 6
TotalExpenses, 6

TotalIncome, 5
TransDB, 2, 5

U

Unique, 2, 5

V

Value, 2, 5, 6

W

Worksheet_Change, 2
Worksheet_SelectionChange, 2

X

xlFilterCopy, 2, 5
xlPasteValues, 2
xlUp, 2, 5
xlValues, 2
xlWhole, 2

Thank You!

This source code was created and made available to help you gain a better understanding of how VBA is used to create amazing Excel-based applications.

Thank you so much for your continued shares, likes and support. It really helps.



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