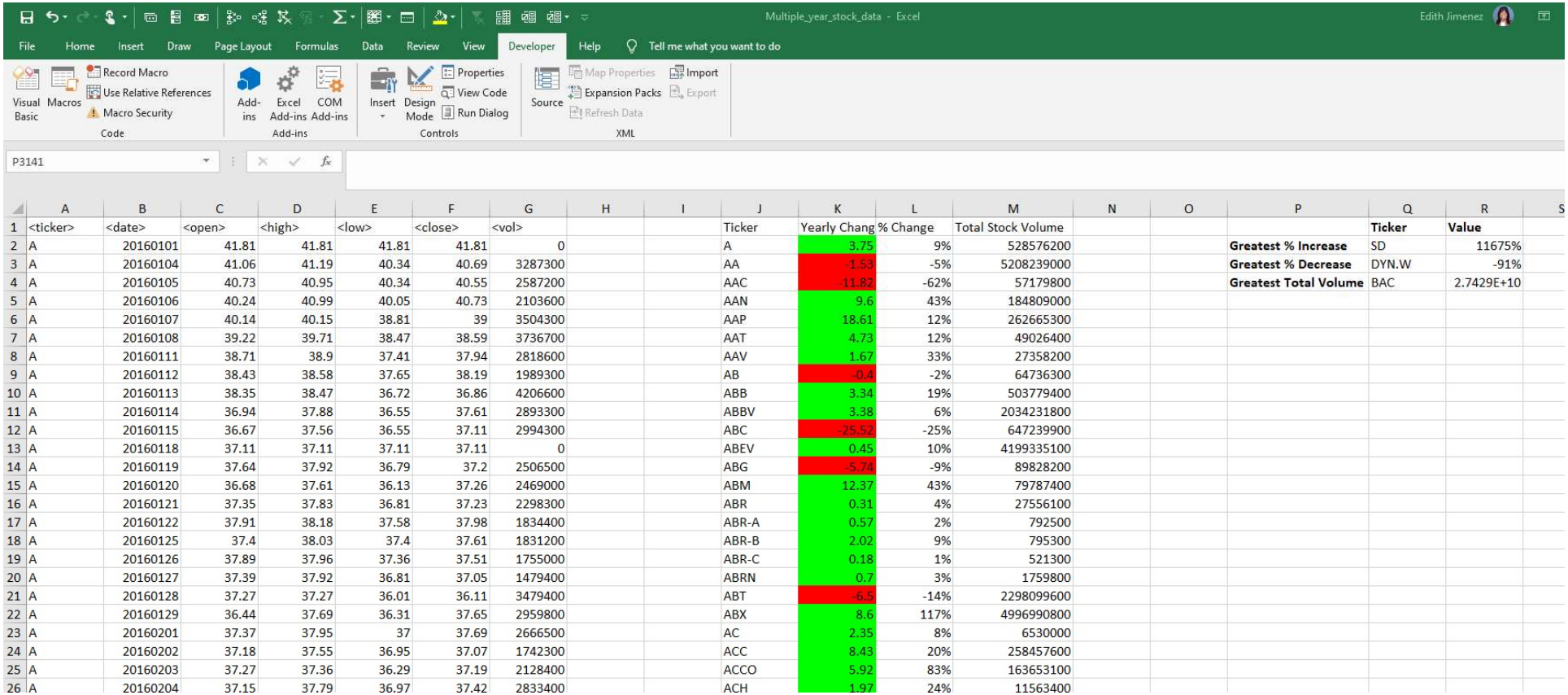
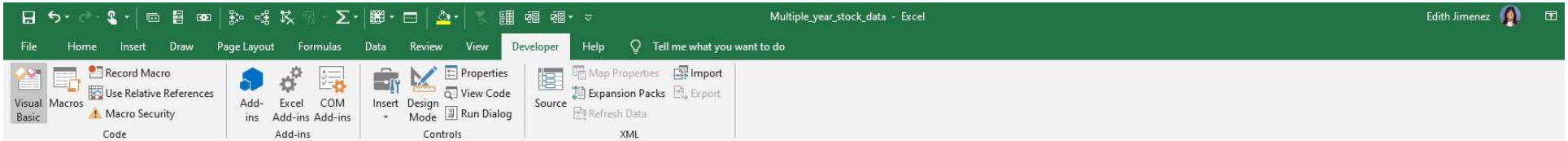
Capture Results Stocks 2016



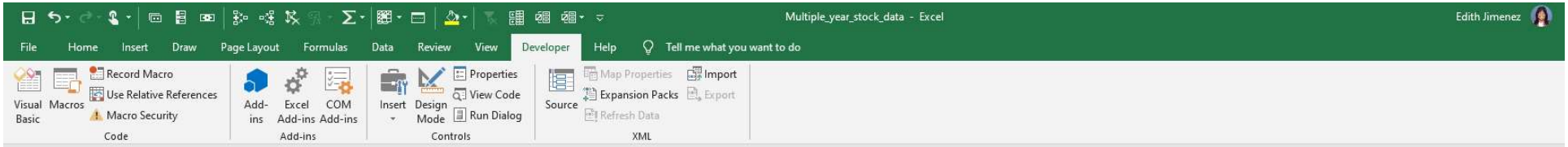
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>			Ticker	Yearly Chang	% Change	Total Stock Volume				**Ticker**	**Value**	
2	A	20160101	41.81	41.81	41.81	41.81	0			A	3.75	9%	528576200			**Greatest % Increase**	SD	11675%	
3	A	20160104	41.06	41.19	40.34	40.69	3287300			AA	-1.53	-5%	5208239000			**Greatest % Decrease**	DYN.W	-91%	
4	A	20160105	40.73	40.95	40.34	40.55	2587200			AAC	-11.82	-62%	57179800			**Greatest Total Volume**	BAC	2.7429E+10	
5	A	20160106	40.24	40.99	40.05	40.73	2103600			AAN	9.6	43%	184809000						
6	A	20160107	40.14	40.15	38.81	39	3504300			AAP	18.61	12%	262665300						
7	A	20160108	39.22	39.71	38.47	38.59	3736700			AAT	4.73	12%	49026400						
8	A	20160111	38.71	38.9	37.41	37.94	2818600			AAV	1.67	33%	27358200						
9	A	20160112	38.43	38.58	37.65	38.19	1989300			AB	-0.4	-2%	64736300						
10	A	20160113	38.35	38.47	36.72	36.86	4206600			ABB	3.34	19%	503779400						
11	A	20160114	36.94	37.88	36.55	37.61	2893300			ABBV	3.38	6%	2034231800						
12	A	20160115	36.67	37.56	36.55	37.11	2994300			ABC	-25.52	-25%	647239900						
13	A	20160118	37.11	37.11	37.11	37.11	0			ABEV	0.45	10%	4199335100						
14	A	20160119	37.64	37.92	36.79	37.2	2506500			ABG	-5.74	-9%	89828200						
15	A	20160120	36.68	37.61	36.13	37.26	2469000			ABM	12.37	43%	79787400						
16	A	20160121	37.35	37.83	36.81	37.23	2298300			ABR	0.31	4%	27556100						
17	A	20160122	37.91	38.18	37.58	37.98	1834400			ABR-A	0.57	2%	792500						
18	A	20160125	37.4	38.03	37.4	37.61	1831200			ABR-B	2.02	9%	795300						
19	A	20160126	37.89	37.96	37.36	37.51	1755000			ABR-C	0.18	1%	521300						
20	A	20160127	37.39	37.92	36.81	37.05	1479400			ABRN	0.7	3%	1759800						
21	A	20160128	37.27	37.27	36.01	36.11	3479400			ABT	-6.5	-14%	2298099600						
22	A	20160129	36.44	37.69	36.31	37.65	2959800			ABX	8.6	117%	4996990800						
23	A	20160201	37.37	37.95	37	37.69	2666500			AC	2.35	8%	6530000						
24	A	20160202	37.18	37.55	36.95	37.07	1742300			ACC	8.43	20%	258457600						
25	A	20160203	37.27	37.36	36.29	37.19	2128400			ACCO	5.92	83%	163653100						
26	A	20160204	37.15	37.79	36.97	37.42	2833400			ACH	1.97	24%	11563400						

Capture Results Stocks 2015



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>			Ticker	Yearly Chang	% Change	Total Stock Volume						
2	A	20150101	40.94	40.94	40.94	40.94	0			A	0.87	2%	645319200			**Greatest % Increase**	ARR	491%	
3	A	20150102	41.18	41.31	40.37	40.56	1530700			AA	-17.76	-37%	6449104200			**Greatest % Decrease**	KMI.W	-99%	
4	A	20150105	40.32	40.46	39.7	39.8	2042200			AA-B	-17.14	-34%	40441700			**Greatest Total Volume**	BAC	2.1278E+10	
5	A	20150106	39.81	40.02	39.02	39.18	2084500			AAC	-11.86	-38%	78122300						
6	A	20150107	39.52	39.81	39.29	39.7	3359600			AAN	-8.18	-27%	179606700						
7	A	20150108	40.24	40.98	40.18	40.89	2116300			AAP	-8.77	-6%	266930500						
8	A	20150109	41	41	40.29	40.59	1644900			AAT	-1.46	-4%	48158100						
9	A	20150112	40.61	40.72	39.95	40.11	2771100			AAV	0.29	6%	30229400						
10	A	20150113	40.47	40.7	39.33	39.55	2013400			AB	-1.98	-8%	71403800						
11	A	20150114	39.03	39.1	38.21	39.06	5134000			ABB	-3.42	-16%	532805500						
12	A	20150115	39.33	39.41	37.99	38.01	2630200			ABBV	-6.2	-9%	2643021600						
13	A	20150116	37.86	38.46	37.76	38.25	3003900			ABC	13.55	15%	516218400						
14	A	20150119	38.25	38.25	38.25	38.25	0			ABEV	-1.76	-28%	3915345800						
15	A	20150120	38.43	38.66	37.76	37.93	5033600			ABG	-8.48	-11%	82930400						
16	A	20150121	37.75	38.41	37.68	38.16	2721600			ABM	-0.18	-1%	72539400						
17	A	20150122	38.51	39.86	38.12	39.65	4856500			ABR	0.38	6%	37916900						
18	A	20150123	39.6	39.6	38.76	38.81	1519200			ABR-A	-0.49	-2%	1243100						
19	A	20150126	38.79	39.17	38.47	39.15	1511200			ABR-B	-2.14	-9%	1022000						
20	A	20150127	38.7	39.25	38.58	38.75	1703500			ABR-C	-0.12	0%	634000						
21	A	20150128	39.01	39.05	37.96	38	2033500			ABRN	0.1	0%	2109900						
22	A	20150129	38	38.47	37.69	38.46	2329900			ABT	-0.11	0%	1469310700						
23	A	20150130	38.01	38.32	37.71	37.77	3054300			ABX	-3.37	-31%	4289215100						
24	A	20150202	37.9	38.76	37.71	38.69	2508400			AC	1	3%	437700						

Capture Results Stocks 2014



Q20

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>			Ticker	Yearly Chang	% Change	Total Stock Volume				**Ticker**	**Value**	
2	A	20140101	57.19	57.19	57.19	57.19	0			A	-16.25	-28%	572978100			**Greatest % Increase**	DM	5581%	
3	A	20140102	57.1	57.1	56.15	56.21	1916100			AA	15.48	49%	5161412000			**Greatest % Decrease**	CBO	-96%	
4	A	20140103	56.39	57.35	56.26	56.92	1866600			AA-B	1.34	3%	21618200			**Greatest Total Volume**	BAC	2.1595E+10	
5	A	20140106	57.4	57.7	56.56	56.64	1777400			AAC	10.92	55%	9789700						
6	A	20140107	56.95	57.63	56.93	57.45	1463200			AAN	1.17	4%	237929300						
7	A	20140108	57.33	58.54	57.17	58.39	2659400			AAP	48.6	44%	200376400						
8	A	20140109	58.4	58.68	57.87	58.41	1757600			AAT	8.38	27%	40207800						
9	A	20140110	58.51	59.01	58.14	58.93	1623300			AAV	0.45	10%	86658700						
10	A	20140113	58.77	59.1	58.6	58.93	2946700			AB	4.49	21%	83051600						
11	A	20140114	59.16	59.95	59.02	59.88	2562200			ABB	-5.41	-20%	466820000						
12	A	20140115	59.82	60.37	59.59	60.34	2335100			ABBV	12.63	24%	2303237600						
13	A	20140116	60.24	60.5	60.04	60.5	1835900			ABC	19.85	28%	428969000						
14	A	20140117	60.83	60.83	60.33	60.71	1699500			ABEV	-1.13	-15%	3208014300						
15	A	20140120	60.71	60.71	60.71	60.71	0			ABG	22.18	41%	81065600						
16	A	20140121	60.69	60.88	59.86	60.85	3008400			ABM	0.06	0%	52403000						
17	A	20140122	60.82	61.22	60.71	60.93	2769300			ABR	0.11	2%	28348400						
18	A	20140123	60.48	60.51	59.4	59.47	3063500			ABR-A	0.77	3%	1798500						
19	A	20140124	59.46	59.46	57.71	57.87	2656300			ABR-B	2.09	9%	1722000						
20	A	20140127	57.9	58.37	56.98	58.3	4669000			ABR-C	0.94	4%	1758200						
21	A	20140128	58.5	58.88	57.91	58.1	2536200			ABRN	0.49	2%	3451100						
22	A	20140129	57.67	58.22	57.41	57.65	2163000			ABT	6.69	17%	1516024700						
23	A	20140130	58.42	60.11	58.42	59.51	3743100			ABX	-6.88	-39%	3085372400						
24	A	20140131	58.61	59.15	58.05	58.15	3529000			ACC	9.15	28%	180543400						
25	A	20140203	58.15	58.48	56.08	56.15	2929200			ACCO	2.29	34%	223248000						
26	A	20140204	56.32	57.88	56.09	57.81	2911800			ACH	2.82	32%	34117500						

Subroutine to analyze Stock Market 2014, 2015 & 2016

==========

```
Sub StockMarketAnalysis()
'Sub to create ticker tle and calculate the values per Ticker
'Declare the variables on the sub
' Teacher and Tas, I'm declared Dim when I required in the code, it is more easy for me to understand the sequence
Dim ws As Worksheet

'loping through all worksheets in this workbook

For Each ws In ThisWorkbook.Worksheets
   'I need to exclude the Instructions worksheet in my workbook
   If ws.Name <> "Instructions" Then
      ws.Activate
   'start to write the title for my table
      ws.Cells(1, 10).Value = "Ticker"
      ws.Cells(1, 11).Value = "Yearly Change"
      ws.Cells(1, 12).Value = "% Change"
      ws.Cells(1, 13).Value = "Total Stock Volume"

      'Declare the variable for Ticker loop

      Dim TickerName As String
      Dim OpenPrice As Double
```

```
    Dim ClosePrice As Double



    'declare variable r for rows
    Dim r As Long 'Data row
    Dim i As Long 'Summary row
    i = 1

'looping through each row to find the last row
    For r = 2 To ws.Cells(Rows.Count, 1).End(xlUp).Row

        'define start row and find the change on the ticker and do calcs
        'add loop to look for ticker row

        If ws.Cells(r - 1, 1).Value <> ws.Cells(r, 1).Value Then
            TickerName = ws.Cells(r, 1).Value
            OpenPrice = ws.Cells(r, 3).Value

        'define variable for the top row
            Dim rTop As Long
            rTop = r
        End If

        If ws.Cells(r + 1, 1).Value <> ws.Cells(r, 1).Value Then
```

```
i = i + 1


ClosePrice = ws.Cells(r, 6).Value


'First column is Ticker
ws.Range("J" & i).Value = TickerName


'Second Column is Yearly Change
ws.Range("K" & i).Value = ClosePrice - OpenPrice


'Third Column is Percent Change
'define condition when openPrice =0 and avoid the error of dividing by zero


If OpenPrice = 0 Then
    ws.Range("L" & i).Value = 0


'continue to the next tickers and calculate the % Change for the ticker


Else
    ws.Range("L" & i).Value = (ClosePrice - OpenPrice) / OpenPrice
    'change the Style of the Column %Change to Percent
    ws.Range("L" & i).Style = "Percent"
End If
```

```
        'determine the Total Stock volume transaction
        ws.Range("M" & i).Value = Excel.WorksheetFunction.Sum(ws.Range("G" & rTop & ":G" & r))

        'Use the sub CellFormat to format column YearlyChange
        'Red when value is lower than zero
        'Green when value is equal o higher than zero

        'CFormat ws.Range("K" & i)


    End If

Next r
'define variable for cell to format
    Dim YearlyChange As Long
    YearlyChange = ws.Cells(Rows.Count, 11).End(xlUp).Row

    'include a loop for format the cells in column 11 until the last row on the table.
    'the row start in 2 until the last row
    'Red when value is lower than zero (code is 3)
    'Green when value is equal o higher than zero (Code is 4)
    For i = 2 To YearlyChange
        If ws.Cells(i, 11).Value >= 0 Then
            ws.Cells(i, 11).Interior.ColorIndex = 4
```

```
            Else
                ws.Cells(i, 11).Interior.ColorIndex = 3
            End If
        Next i

    End If

'====================================
'Challenge
'Write the titles of the table
    'Columns
    ws.Cells(2, 16).Value = "Greatest % Increase"
    ws.Cells(3, 16).Value = "Greatest % Decrease"
    ws.Cells(4, 16).Value = "Greatest Total Volume"
    'Rows
    ws.Cells(1, 17).Value = "Ticker"
    ws.Cells(1, 18).Value = "Value"
'Formatting the Titles
    'Columns
    ws.Cells(2, 16).Font.FontStyle = "Bold"
    ws.Cells(3, 16).Font.FontStyle = "Bold"
    ws.Cells(4, 16).Font.FontStyle = "Bold"
    'Rows
    ws.Cells(1, 17).Font.FontStyle = "Bold"
```

```
        ws.Cells(1, 18).Font.FontStyle = "Bold"

'Define Variable to be used in the calculus of the Maximum and Minimum Value
    Dim RowLastPercentValue As Long
        RowLastPercentValue = ws.Cells(Rows.Count, 12).End(xlUp).Row
    Dim MaximumValue As Double
        MaximumValue = 0
    Dim MinimumValue As Double
        MinimumValue = 0

'start a loop to find the maximum and minimum values
    For i = 2 To RowLastPercentValue

'creating a conditional to check the maximum values
        If MaximumValue < ws.Cells(i, 12).Value Then
            MaximumValue = ws.Cells(i, 12).Value
            ws.Cells(2, 18).Value = MaximumValue
            ws.Cells(2, 17).Value = ws.Cells(i, 10).Value
        ElseIf MinimumValue > ws.Cells(i, 12).Value Then
            MinimumValue = ws.Cells(i, 12).Value
            ws.Cells(3, 18).Value = MinimumValue
            ws.Cells(3, 17).Value = ws.Cells(i, 10).Value

            'Format Maximum and Mimimun Values in the Column R
```

```
            ws.Cells(2, 18).Style = "Percent"
            ws.Cells(3, 18).Style = "Percent"
        End If

    Next i

'====================================
'
'Define Variable to be used in the greatest value
    Dim GreatestTotalVolumeRow As Long
        GreatestTotalVolumeRow = ws.Cells(Rows.Count, 13).End(xlUp).Row
    Dim MaximumTotalVolume As Double
        MaximumTotalVolume = 0

'start a loop to find the Greatest Total Volume
    For i = 2 To GreatestTotalVolumeRow

'creating a conditional to check the Greatest Total Volume Row
        If MaximumTotalVolume < ws.Cells(i, 13).Value Then
            MaximumTotalVolume = ws.Cells(i, 13).Value
            ws.Cells(4, 18).Value = MaximumTotalVolume
            ws.Cells(4, 17).Value = ws.Cells(i, 10).Value
        End If
```

```
    Next i

'=====================================

Next ws

MsgBox "===== Work Done!!!! ===Enjoy Using VBA==="

End Sub
```