



Excel and VBA Programming

Mini Project





Submitted by

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Course: Microsoft Excel and VBA Programming [DSA02]

Program: Data Science and Application - Advanced Diploma [6060]

Metro College of Technology

Date: 19 Aug, 2021





Phase 01

THANKS

CONCLU

1. For online retail data set create a bar chart from that data in excel file.
2. For online retail data set create a pivot table and group data.
3. Create a button and assign a macro to it that displays in message the current date.
4. Create a procedure that declares variables of type string and integer

Phase 02

1. Create a VBA procedure that changes the font color of table to bold.
2. Create a VBA procedure that adds a yellow explanation column to right of table.
3. Create a VBA procedure that uses loop.
4. Create a message box that displays number of executions of one procedure.
5. Create a user Form that has two text boxes and a button to calculate sum and show it in a message box.
6. Create a User Form in Excel VBA to get name, date of birth, gender, telephone number, email, and postal code from the user and store the value provided by the user in the worksheet.

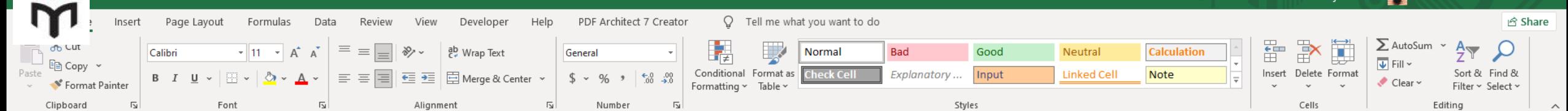




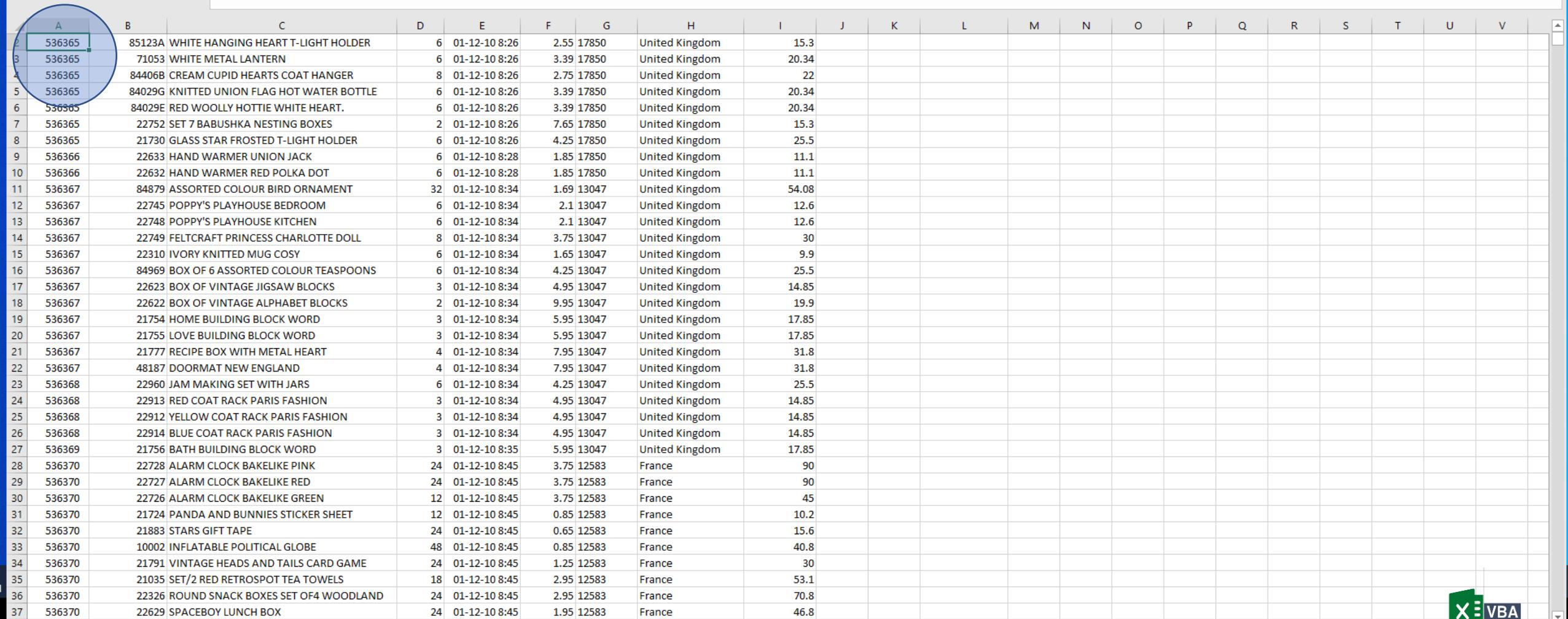
Creating a bar chart from the data for online retail data set in excel file

LIST



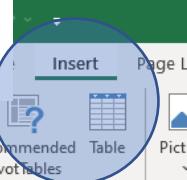


The screenshot shows the Microsoft Excel ribbon at the top. The tabs visible are Insert, Page Layout, Formulas, Data, Review, View, Developer, Help, PDF Architect 7 Creator, and Tell me what you want to do. Below the ribbon is the formula bar with the cell reference A2 and the value 536365. The ribbon also includes a color palette for styles and a range of conditional formats.



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	536365	85123A WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3													
3	536365	71053 WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
4	536365	84406B CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22													
5	536365	84029G KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
6	536365	84029E RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
7	536365	22752 SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3													
8	536365	21730 GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5													
9	536366	22633 HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
10	536366	22632 HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
11	536367	84879 ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08													
12	536367	22745 POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
13	536367	22748 POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
14	536367	22749 FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30													
15	536367	22310 IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9													
16	536367	84969 BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
17	536367	22623 BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
18	536367	22622 BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9													
19	536367	21754 HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
20	536367	21755 LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
21	536367	21777 RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
22	536367	48187 DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
23	536368	22960 JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
24	536368	22913 RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
25	536368	22912 YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
26	536368	22914 BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
27	536369	21756 BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85													
28	536370	22728 ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90													
29	536370	22727 ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90													
30	536370	22726 ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45													
31	536370	21724 PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2													
32	536370	21883 STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6													
33	536370	10002 INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8													
34	536370	21791 VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30													
35	536370	21035 SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1													
36	536370	22326 ROUND SNACK BOXES SET OF4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8													
37	536370	22629 SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8													





Insert
Tables
PivotTable
Recommended PivotTables
PivotTables
Table
Tables
Illustrations
Pictures Shapes
Screenshot
SmartArt

Get Add-ins
My Add-ins
Visio Data Visualizer
Bing Maps
People Graph
Add-ins

Recommended Charts
Charts

PivotChart
3D Map
Tours
Line
Column
Win/Loss
Slicer
Timeline
Link
Text Box
Header & Footer
WordArt
Signature Line
Object

Sparklines
Filters
Links
Text

Equation
Symbol
Symbols

A2 : 536365

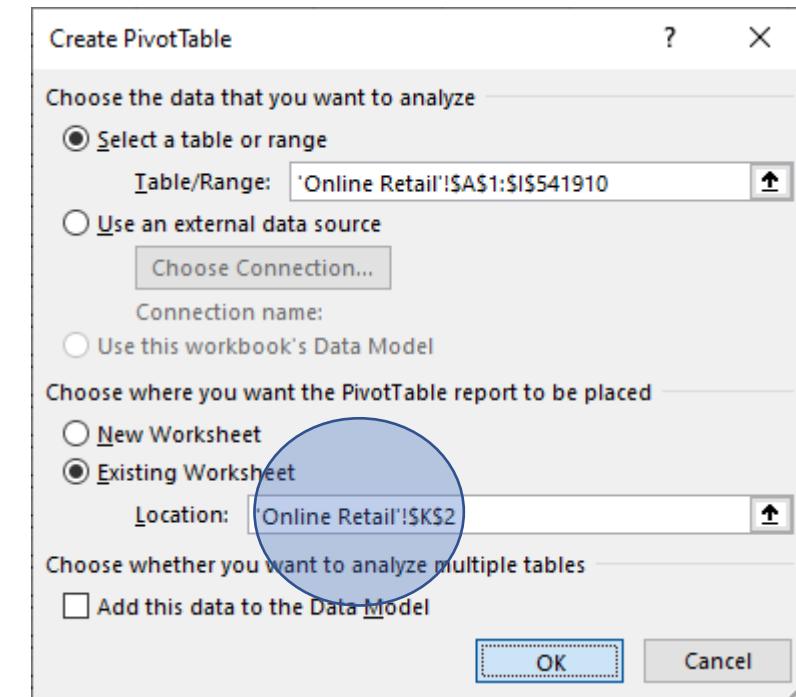
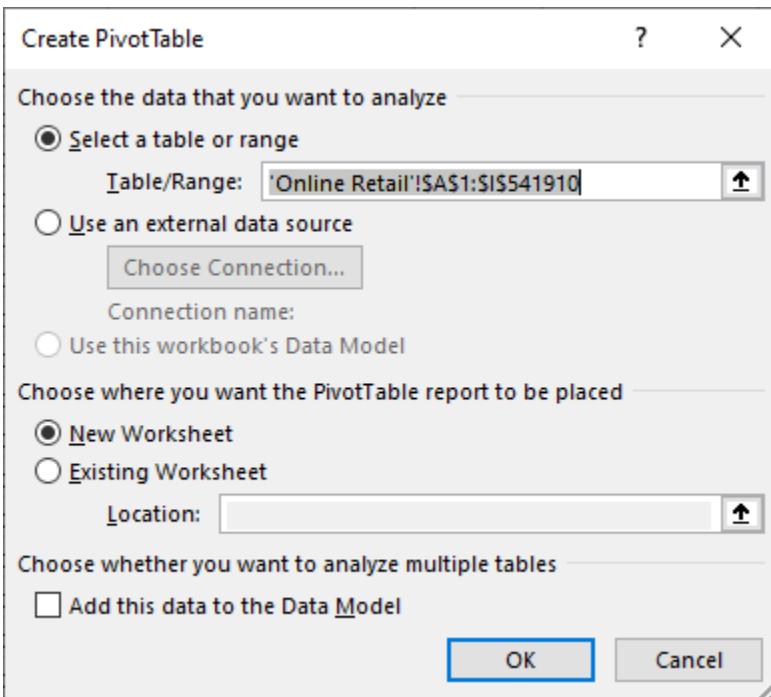
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
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8	536365	21730 GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5													
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12	536367	22745 POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
13	536367	22748 POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
14	536367	22749 FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30													
15	536367	22310 IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9													
16	536367	84969 BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
17	536367	22623 BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
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19	536367	21754 HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
20	536367	21755 LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
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22	536367	48187 DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
23	536368	22960 JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
24	536368	22913 RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
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26	536368	22914 BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
27	536369	21756 BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85													
28	536370	22728 ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90													
29	536370	22727 ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90													
30	536370	22726 ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45													
31	536370	21724 PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2													
32	536370	21883 STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6													
33	536370	10002 INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8													
34	536370	21791 VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30													
35	536370	21035 SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1													
36	536370	22326 ROUND SNACK BOXES SET OF 4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8													
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The screenshot shows the Microsoft Excel ribbon with the "Insert" tab selected. The "Tables" group is open, showing options for "PivotTable" and "PivotTables". The "PivotTable" icon is circled in blue. Other tabs like "Page Layout", "Formulas", "Data", "Review", "View", "Developer", and "Help" are visible at the top. Below the ribbon, there's a toolbar with icons for "Get Add-ins", "Visio Data Visualizer", "Bing Maps", "Screenshot", "My Add-ins", "People Graph", "Recommended Charts", "PivotChart", "3D Map", "Line", "Column", "Win/Loss", "Slicer", "Timeline", "Link", "Text Box", "Header & Footer", "WordArt", "Signature", "Object Line", "Equation", and "Symbol". The status bar at the bottom right shows "VBA".

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	536365	85123A WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3													
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6	536365	84029E RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
7	536365	22752 SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3													
8	536365	21730 GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5													
9	536366	22633 HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
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19	536367	21754 HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
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23	536368	22960 JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
24	536368	22913 RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
25	536368	22912 YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
26	536368	22914 BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
27	536369	21756 BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85													
28	536370	22728 ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90													
29	536370	22727 ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90													
30	536370	22726 ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45													
31	536370	21724 PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2													
32	536370	21883 STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6													
33	536370	10002 INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8													
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PivotTable Tools

Insert Page Layout Formulas Data Review Developer Help PDF Architect 7 Creator Analyze Design Tell me what you want to do

PivotTable Name: PivotTable1

Active Field: PivotTable1

Group Selection: Group

Insert Slicer Filter Refresh Change Data Source

Clear Select Move Fields, Items, OLAP Relationships & Sets

PivotChart Recommended PivotTables Tools

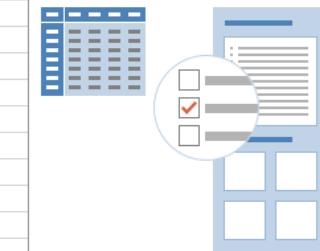
Field List +/- Buttons Field Headers

Options Field Settings Drill Down Drill Up Collapse Field Group Filter Data Actions Calculations Tools Show

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	InvoiceNo	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country	order amount								
2	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3								
3	536365	71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34								
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19	536367	21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85								
20	536367	21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85								
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33	536370	10002	INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8								
34	536370	21791	VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30								
35	536370	21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1								
36	536370	22326	ROUND SNACK BOXES SET OF4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8								

PivotTable1

To build a report, choose fields from the PivotTable Field List



PivotTable Fields

Choose fields to add to report:

- InvoiceNo
 - StockCode
 - Description
 - Quantity
 - InvoiceDate
 - UnitPrice
 - CustomerID
 - Country
 - order amount
- More Tables...

Drag fields between areas below:

Filters Columns

Rows Values

Defer Layout Update





PivotTable Tools

Insert Page Layout Formulas Data Review Developer Help PDF Architect 7 Creator Analyze Design Tell me what you want to do

PivotTable Name: PivotTable1 Active Field: Country Options PivotTable

Group Selection Expand Field Ungroup Insert Slicer Refresh Clear Select Move Fields, Items, OLAP Relationships Tools PivotChart Recommended PivotTables Tools Calculations Show

Field List +/- Buttons Field Headers

K2 Row Labels

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	InvoiceNo	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country	order amount	Row Labels	Sum of order amount			
2	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3	Australia	137077.27			
3	536365	71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34	Austria	10154.32			
4	536365	84406B	CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22	Bahrain	548.4			
5	536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34	Belgium	40910.96			
6	536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34	Brazil	1143.6			
7	536365	22752	SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3	Canada	3666.38			
8	536365	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5	Channel Islands	20086.29			
9	536366	22633	HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1	Cyprus	12946.29			
10	536366	22632	HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1	Czech Republic	707.72			
11	536367	84879	ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08	Denmark	18768.14			
12	536367	22745	POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6	EIRE	263276.82			
13	536367	22748	POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6	European Community	1291.75			
14	536367	22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30	Finland	22326.74			
15	536367	22310	IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9	France	197403.9			
16	536367	84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5	Germany	221698.21			
17	536367	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85	Greece	4710.52			
18	536367	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9	Hong Kong	10117.04			
19	536367	21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85	Iceland	4310			
20	536367	21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85	Israel	7907.82			
21	536367	21777	RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8	Italy	16890.51			
22	536367	48187	DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8	Japan	35340.62			
23	536368	22960	JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5	Lebanon	1693.88			
24	536368	22913	RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85	Lithuania	1661.06			
25	536368	22912	YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85	Malta	2505.47			
26	536368	22914	BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85	Netherlands	284661.54			
27	536369	21756	BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85	Norway	35163.46			
28	536370	22728	ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90	Poland	7213.14			
29	536370	22727	ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90	Portugal	29367.02			
30	536370	22726	ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45	RSA	1002.31			
31	536370	21724	PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2	Saudi Arabia	131.17			
32	536370	21883	STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6	Singapore	9120.39			
33	536370	10002	INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8	Spain	54774.58			
34	536370	21791	VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30	Sweden	36595.91			
35	536370	21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1	Switzerland	56385.35			
36	536370	22326	ROUND SNACK BOXES SET OF4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8					

PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
- StockCode
- Description
- Quantity
- InvoiceDate
- UnitPrice
- CustomerID
- Country
- order amount

More Tables...

Drag fields between areas below:

Filters

Rows	Values
Country	Sum of order amount



Defer Layout Update

Online retail data set create a bar chart from that data in excel file.xlsx - Excel

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PivotTable Tools

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Tables Recommended PivotTables PivotTables

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Line Column Win/Loss Slicer Timeline Link Text Box Header & Footer WordArt Signature Object Line Text Symbols

K2 Row Labels

B	C	D	E	F	G	H	I
StockCode	Description	Quantity	Invoicedate	UnitPrice	CustomerID	Country	order amount
85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3
71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34
84406B	CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22.0
84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34
84029E	RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34
22752	SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3
21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5
22633	HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1
22632	HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1
84879	ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08
22745	POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6
22748	POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6
22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30.0
22310	IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9
84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5
22623	BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85
22622	BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9
21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85
21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85
21777	RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8
48187	DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8
22960	JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5
22913	RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85
22912	YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85
22914	BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85
21756	BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85
22728	ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90
22727	ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90
22726	ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45
21724	PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2
21883	STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6
10002	INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8
21791	VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30
21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1
22326	ROUND SNACK BOXES SET OF 4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8
22629	SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8
22659	LUNCH BOX I LOVE LONDON	24	01-12-10 8:45	1.95	12583	France	46.8
22631	CIRCUS PARADE LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8
22661	CHARLOTTE BAG DOLLY GIRL DESIGN	20	01-12-10 8:45	0.85	12583	France	17
21731	RED TOADSTOOL LED NIGHT LIGHT	24	01-12-10 8:45	1.65	12583	France	39.6
22900	SET 2 TEA TOWELS I LOVE LONDON	24	01-12-10 8:45	2.95	12583	France	70.8
21913	VINTAGE SEASIDE JIGSAW PUZZLES	12	01-12-10 8:45	3.75	12583	France	45

Online Retail

2-D Column

3-D Column

2-D Bar

3-D Bar

More Column Charts...

Order amount

Finland France Germany Greece Hong Kong Iceland Israel Italy Japan Lebanon Lithuania Malta Netherlands Norway Poland Portugal RSA Saudi Arabia Singapore Spain Sweden Switzerland United Arab Emirates United Kingdom Unspecified USA Grand Total

Average: 256519.6825 Count: 78 Sum: 9747747.934

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo StockCode Description Quantity InvoiceDate UnitPrice CustomerID Country order amount

More Tables...

Drag fields between areas below:

Filters Columns

Rows Values

Country Sum of order amount

Defer Layout Update

VBA Update

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Online retail data set create a bar chart from that data in excel file.xlsx - Excel

PivotTable Tools

Mohammad Monjur-E-Elahi

Share

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PivotTable Recommended PivotTables Tables Illustrations Add-ins

Row Labels

	B	C	D	E	F	G	H	I
1	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country	order amount
2	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3
3	71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.2
4	84406B	CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22.0
5	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34
6	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34
7	22752	SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3
8	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5
9	22633	HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	13047	United Kingdom	11.1
10	22632	HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	13047	United Kingdom	11.1
11	84879	ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08
12	22745	POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6
13	22748	POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6
14	22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30.0
15	22310	IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	Total	137077.27
16	84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	Unspecified	10154.32
17	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	Sweden	548.4
18	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	RSA	40910.96
19	21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	Netherlands	1143.6
20	21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	Japan	3666.38
21	21777	RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	Hong Kong	20086.29
22	48187	DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	Finland	12946.29
23	22960	JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	Czech Republic	707.72
24	22913	RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	Brazil	18768.14
25	22912	YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	Australia	63276.82
26	22914	BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	Total	1291.75
27	21756	BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	France	22326.74
28	22728	ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	Portugal	197403.9
29	22727	ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	RSA	221698.21
30	22726	ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	Netherlands	4710.52
31	21724	PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	Japan	10117.04
32	21883	STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	Hong Kong	4310
33	10002	INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	Finland	7907.82
34	21791	VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	Czech Republic	16890.51
35	21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	Brazil	35340.62
36	22326	ROUND SNACK BOXES SET OF 4 WOODLAND	24	01-12-10 8:45	2.95	12583	Australia	1693.88
37	22629	SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	Total	1661.06
38	22659	LUNCH BOX I LOVE LONDON	24	01-12-10 8:45	1.95	12583	France	2505.47
39	22631	CIRCUS PARADE LUNCH BOX	24	01-12-10 8:45	1.95	12583	Portugal	284661.54
40	22661	CHARLOTTE BAG DOLLY GIRL DESIGN	20	01-12-10 8:45	0.85	12583	RSA	35163.46
41	21731	RED TOADSTOOL LED NIGHT LIGHT	24	01-12-10 8:45	1.65	12583	Netherlands	7213.14
42	22900	SET 2 TEA TOWELS I LOVE LONDON	24	01-12-10 8:45	2.95	12583	Japan	29367.02
43	21913	VINTAGE SEASIDE JIGSAW PUZZLES	12	01-12-10 8:45	3.75	12583	Hong Kong	1002.31

Online Retail

2-D Column

3-D Column

2-D Bar

Clustered Bar

3-D Bar

Use this chart type to:

- Compare values across a few categories.

Use it when:

- The chart shows duration.
- The category text is long.

Sum of order amount

Total

Count

Rows

Columns

Σ Values

Defer Layout Update

VBA Update

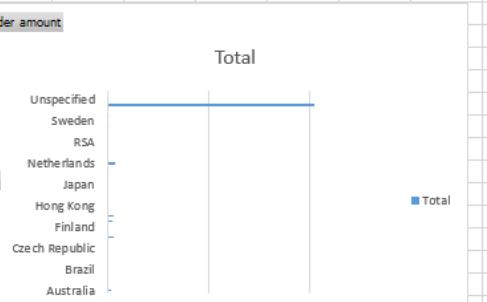
Average: 256519.6825 Count: 78 Sum: 9747747.934

22°C 19-Aug-21 12:44 AM



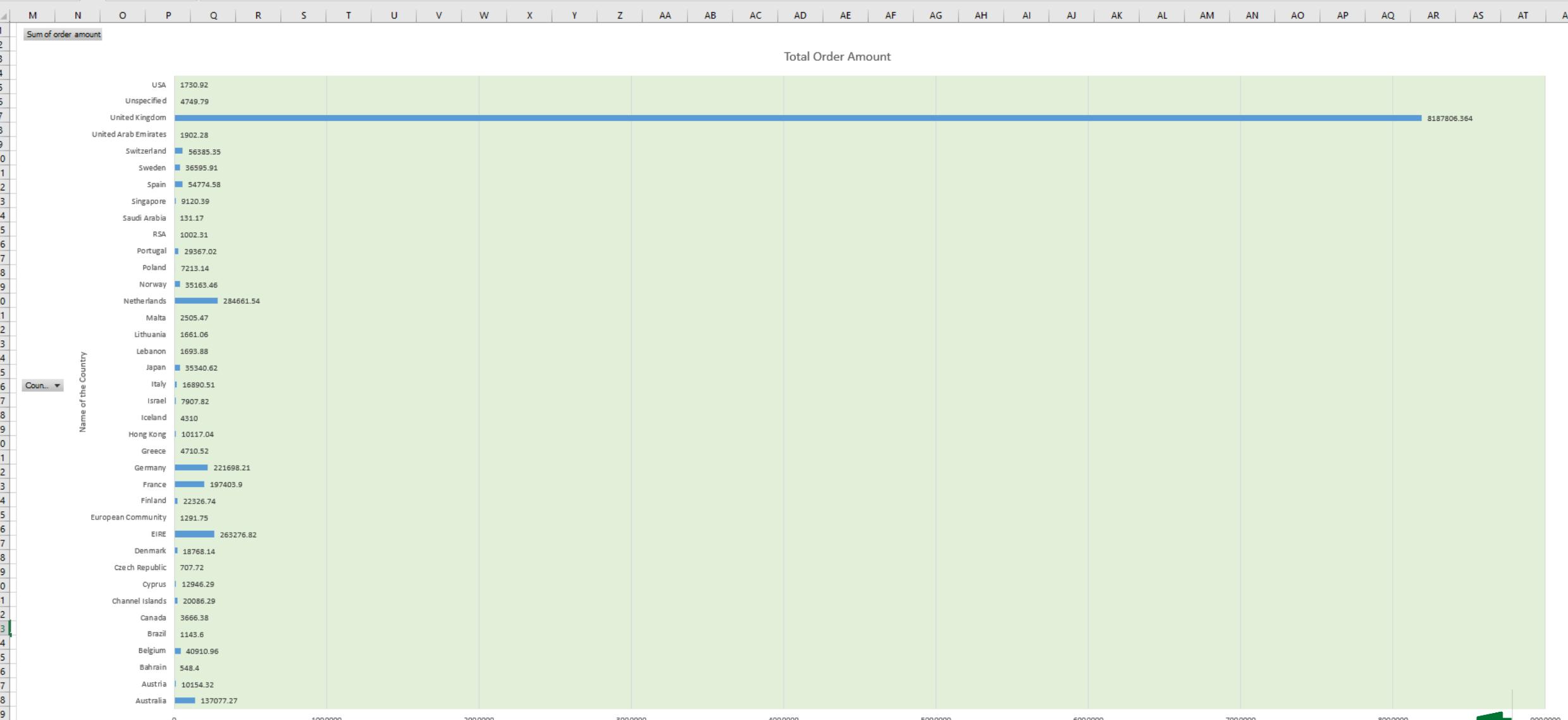
The ribbon at the top of the Excel window includes the following tabs: Insert, Page Layout, Formulas, Data, Review, View, Developer, Help, PDF Architect 7 Creator, Tell me what you want to do, Conditional Formatting, Styles, Cells, and Editing. The 'Data' tab is selected.

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country	order amount		Row Labels	Sum of order amount															
2	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3		Australia	137077.27															
3	71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34		Austria	10154.32															
4	84406B	CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22		Bahrain	548.4															
5	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34		Belgium	40910.96															
6	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34		Brazil	1143.6															
7	22752	SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3		Canada	3666.38															
8	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5		Channel Islands	20086.29															
9	22653	HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1		Cyprus	12946.29															
10	22632	HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1		Czech Republic	707.72															
11	84879	ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08		Denmark	18768.14															
12	22745	POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6		EIRE	263276.82															
13	22748	POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6		European Community	1291.75															
14	22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30		Finland	22326.74															
15	22310	IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9		France	197403.9															
16	84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5		Germany	221698.21															
17	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85		Greece	4710.52															
18	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9		Hong Kong	10117.04															
19	21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85		Iceland	4310															
20	21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85		Israel	7907.82															
21	21777	RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8		Italy	16890.51															
22	48187	DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8		Japan	35340.62															
23	22960	JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5		Lebanon	1693.88															
24	22913	RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85		Lithuania	1661.06															
25	22912	YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85		Malta	2505.47															
26	22914	BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85		Netherlands	284661.54															
27	21756	BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85		Norway	35163.46															
28	22728	ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90		Poland	7213.14															
29	22727	ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90		Portugal	29367.02															
30	22726	ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45		RSA	1002.31															
31	21724	PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2		Saudi Arabia	131.17															
32	21883	STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6		Singapore	9120.39															
33	10002	INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8		Spain	54774.58															
34	21791	VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30		Sweden	36595.91															
35	21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1		Switzerland	56385.35															
36	22326	ROUND SNACK BOXES SET OF 4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8		United Arab Emirates	1902.28															
37	22629	SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8		United Kingdom	8187806.364															
38	22659	LUNCH BOX I LOVE LONDON	24	01-12-10 8:45	1.95	12583	France	46.8		Unspecified	4749.79															
39	22631	CIRCUS PARADE LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8		USA	1730.92															
40	22661	CHARLOTTE BAG DOLLY GIRL DESIGN	20	01-12-10 8:45	0.85	12583	France	17		Grand Total	9747747.934															
41	21731	RED TOADSTOOL LED NIGHT LIGHT	24	01-12-10 8:45	1.65	12583	France	39.6																		
42	22900	SET 2 TEA TOWELS I LOVE LONDON	24	01-12-10 8:45	2.95	12583	France	70.8																		
43	21913	VINTAGE SEASIDE JIGSAW PUZZLES	12	01-12-10 8:45	3.75	12583	France	45																		





L43



Ready

LIST

e Retail



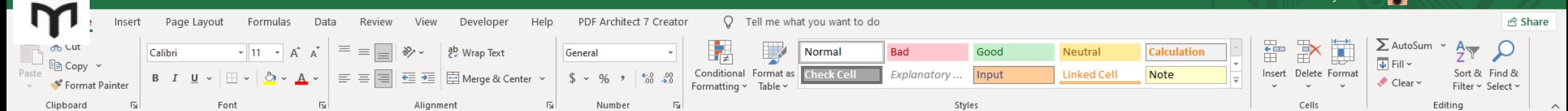
85%



Creating a pivot table and grouping data from the data for online retail data set

LIST

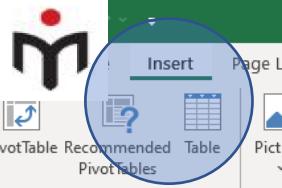




A2 : 536365

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	536365	85123A WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3													
3	536365	71053 WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
4	536365	84406B CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22													
5	536365	84029G KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
6	536365	84029E RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
7	536365	22752 SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3													
8	536365	21730 GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5													
9	536366	22633 HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
10	536366	22632 HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
11	536367	84879 ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08													
12	536367	22745 POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
13	536367	22748 POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
14	536367	22749 FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30													
15	536367	22310 IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9													
16	536367	84969 BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
17	536367	22623 BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
18	536367	22622 BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9													
19	536367	21754 HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
20	536367	21755 LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
21	536367	21777 RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
22	536367	48187 DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
23	536368	22960 JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
24	536368	22913 RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
25	536368	22912 YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
26	536368	22914 BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
27	536369	21756 BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85													
28	536370	22728 ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90													
29	536370	22727 ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90													
30	536370	22726 ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45													
31	536370	21724 PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2													
32	536370	21883 STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6													
33	536370	10002 INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8													
34	536370	21791 VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30													
35	536370	21035 SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1													
36	536370	22326 ROUND SNACK BOXES SET OF4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8													
37	536370	22629 SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8													





Insert

- Tables
- PivotTables
- PivotTables
- Pictures
- Shapes
- SmartArt
- Screenshot
- My Add-ins
- Visio Data Visualizer
- People Graph
- Recommended Charts
- Charts
- 3D Map
- Tours
- Line
- Column
- Win/Loss
- Slicer
- Timeline
- Link
- Text Box
- Header & Footer
- WordArt
- Signature Line
- Object
- Equation
- Symbol
- Symbols

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2 536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3													
3 536365	71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
4 536365	84406B	CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22													
5 536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
6 536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
7 536365	22752	SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3													
8 536365	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5													
9 536366	22633	HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
10 536366	22632	HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
11 536367	84879	ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08													
12 536367	22745	POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
13 536367	22748	POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
14 536367	22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30													
15 536367	22310	IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9													
16 536367	84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
17 536367	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
18 536367	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9													
19 536367	21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
20 536367	21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
21 536367	21777	RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
22 536367	48187	DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
23 536368	22960	JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
24 536368	22913	RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
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26 536368	22914	BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
27 536369	21756	BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85													
28 536370	22728	ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90													
29 536370	22727	ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90													
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32 536370	21883	STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6													
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35 536370	21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1													
36 536370	22326	ROUND SNACK BOXES SET OF 4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8													
37 536370	22629	SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8													



A1

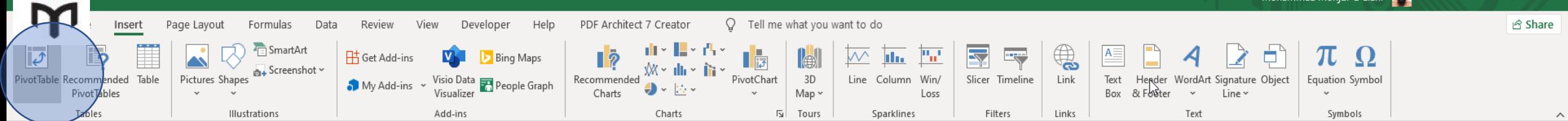


InvoiceNo

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
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3	536365	71053 WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34														
4	536365	84406B CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22														
5	536365	84029G KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34														
6	536365	84029E RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34														
7	536365	22752 SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3														
8	536365	21730 GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5														
9	536366	22633 HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1														
10	536366	22632 HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1														
11	536367	84879 ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08														
12	536367	22745 POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6														
13	536367	22748 POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6														
14	536367	22749 FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30														
15	536367	22310 IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9														
16	536367	84969 BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5														
17	536367	22623 BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85														
18	536367	22622 BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9														
19	536367	21754 HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85														
20	536367	21755 LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85														
21	536367	21777 RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8														
22	536367	48187 DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8														
23	536368	22960 JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5														
24	536368	22913 RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85														
25	536368	22912 YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85														
26	536368	22914 BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85														
27	536369	21756 BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85														
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31	536370	21724 PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2														
32	536370	21883 STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6														
33	536370	10002 INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8														
34	536370	21791 VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30														
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36	536370	22326 ROUND SNACK BOXES SET OF4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8														
37	536370	22629 SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8														
38	536370	22659 LUNCH BOX I LOVE LONDON	24	01-12-10 8:45	1.95	12583	France	46.8														
39	536370	22631 CIRCUS PARADE LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8														
40	536370	22661 CHARLOTTE BAG DOLLY GIRL DESIGN	20	01-12-10 8:45	0.85	12583	France	17														
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Online Retail PivotTable 

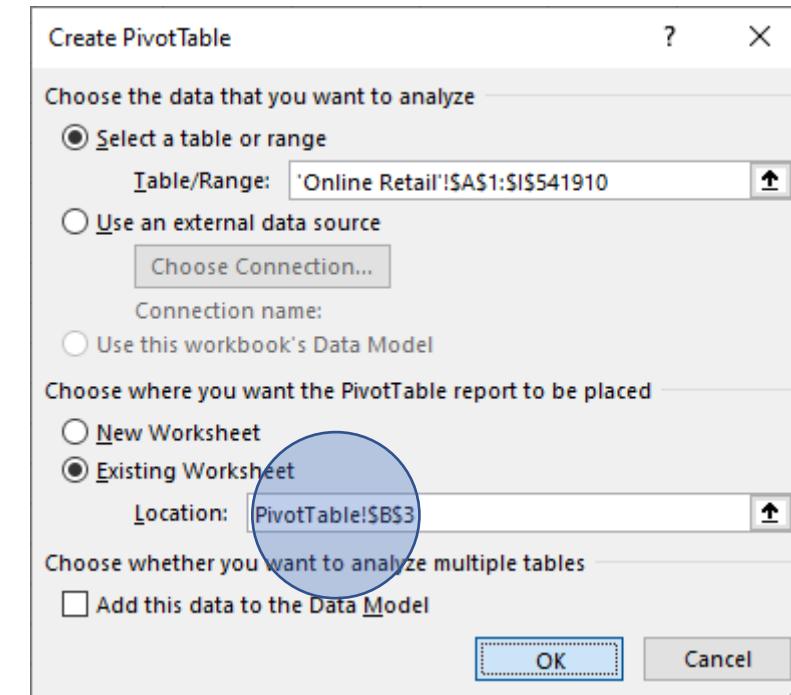
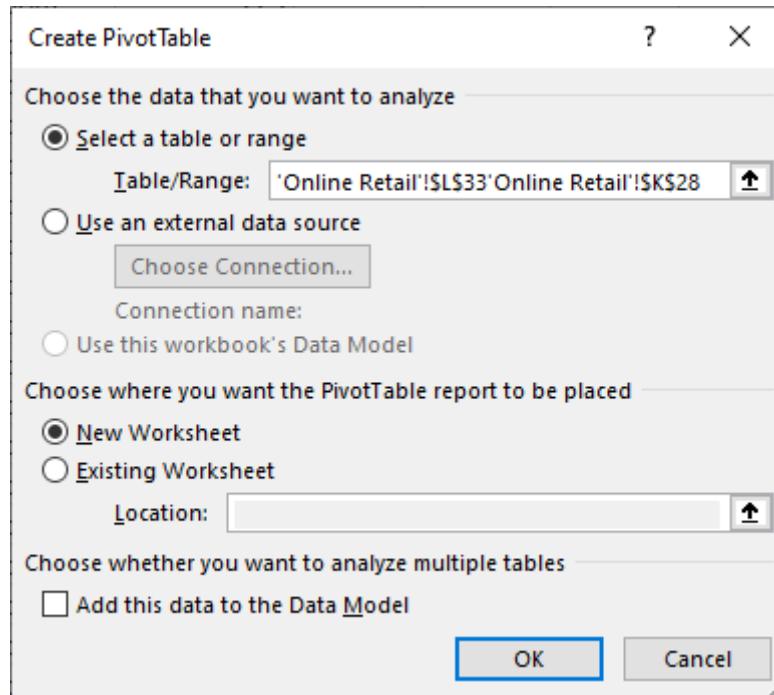
X VBA



The screenshot shows the Microsoft Excel ribbon with the 'Insert' tab selected. The 'Tables' group is highlighted, specifically the 'PivotTable' icon, which is circled in blue. Other options in the 'Tables' group include 'Recommended PivotTables' and 'Table'. The 'Charts' group is also visible, showing various chart types like Line, Column, and PivotChart.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	01-12-10 8:26	2.55	17850	United Kingdom	15.3													
3	536365	71053	WHITE METAL LANTERN	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
4	536365	84406B	CREAM CUPID HEARTS COAT HANGER	8	01-12-10 8:26	2.75	17850	United Kingdom	22													
5	536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
6	536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	01-12-10 8:26	3.39	17850	United Kingdom	20.34													
7	536365	22752	SET 7 BABUSHKA NESTING BOXES	2	01-12-10 8:26	7.65	17850	United Kingdom	15.3													
8	536365	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	01-12-10 8:26	4.25	17850	United Kingdom	25.5													
9	536366	22633	HAND WARMER UNION JACK	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
10	536366	22632	HAND WARMER RED POLKA DOT	6	01-12-10 8:28	1.85	17850	United Kingdom	11.1													
11	536367	84879	ASSORTED COLOUR BIRD ORNAMENT	32	01-12-10 8:34	1.69	13047	United Kingdom	54.08													
12	536367	22745	POPPY'S PLAYHOUSE BEDROOM	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
13	536367	22748	POPPY'S PLAYHOUSE KITCHEN	6	01-12-10 8:34	2.1	13047	United Kingdom	12.6													
14	536367	22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	01-12-10 8:34	3.75	13047	United Kingdom	30													
15	536367	22310	IVORY KNITTED MUG COSY	6	01-12-10 8:34	1.65	13047	United Kingdom	9.9													
16	536367	84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
17	536367	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
18	536367	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	01-12-10 8:34	9.95	13047	United Kingdom	19.9													
19	536367	21754	HOME BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
20	536367	21755	LOVE BUILDING BLOCK WORD	3	01-12-10 8:34	5.95	13047	United Kingdom	17.85													
21	536367	21777	RECIPE BOX WITH METAL HEART	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
22	536367	48187	DOORMAT NEW ENGLAND	4	01-12-10 8:34	7.95	13047	United Kingdom	31.8													
23	536368	22960	JAM MAKING SET WITH JARS	6	01-12-10 8:34	4.25	13047	United Kingdom	25.5													
24	536368	22913	RED COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
25	536368	22912	YELLOW COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
26	536368	22914	BLUE COAT RACK PARIS FASHION	3	01-12-10 8:34	4.95	13047	United Kingdom	14.85													
27	536369	21756	BATH BUILDING BLOCK WORD	3	01-12-10 8:35	5.95	13047	United Kingdom	17.85													
28	536370	22728	ALARM CLOCK BAKELIKE PINK	24	01-12-10 8:45	3.75	12583	France	90													
29	536370	22727	ALARM CLOCK BAKELIKE RED	24	01-12-10 8:45	3.75	12583	France	90													
30	536370	22726	ALARM CLOCK BAKELIKE GREEN	12	01-12-10 8:45	3.75	12583	France	45													
31	536370	21724	PANDA AND BUNNIES STICKER SHEET	12	01-12-10 8:45	0.85	12583	France	10.2													
32	536370	21883	STARS GIFT TAPE	24	01-12-10 8:45	0.65	12583	France	15.6													
33	536370	10002	INFLATABLE POLITICAL GLOBE	48	01-12-10 8:45	0.85	12583	France	40.8													
34	536370	21791	VINTAGE HEADS AND TAILS CARD GAME	24	01-12-10 8:45	1.25	12583	France	30													
35	536370	21035	SET/2 RED RETROSPOT TEA TOWELS	18	01-12-10 8:45	2.95	12583	France	53.1													
36	536370	22326	ROUND SNACK BOXES SET OF4 WOODLAND	24	01-12-10 8:45	2.95	12583	France	70.8													
37	536370	22629	SPACEBOY LUNCH BOX	24	01-12-10 8:45	1.95	12583	France	46.8													







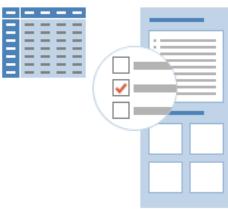
Share

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PivotTable1

To build a report, choose fields from the PivotTable

Field List



PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
- StockCode
- Description
- Quantity
- InvoiceDate
- UnitPrice
- CustomerID
- Country
- order amount

More Tables...

Drag fields between areas below:

Filters

	Columns

Rows

	Values



Update

Defer Layout Update

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

Mohammad Monjur-E-Elahi

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Q29

A B C D E F G H I J K L M N O P Q R S T U V

Row Labels Sum of order amount

2010	748957.02
2011	8998790.914
Grand Total	9747747.934

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo
 StockCode
 Description
 Quantity
 InvoiceDate
 UnitPrice
 CustomerID
 Country
 order amount
 Quarters
 Years

More Tables...

Drag fields between areas below:

Filters Columns

Rows Values

Years Quarters InvoiceDate Sum of order amount

Defer Layout Update Update

Online Retail PivotTable +

Ready

1 2 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 29 30 31 32 33 34 35 36 37 38 39 40 41

100%

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

PivotTable Tools

Mohammad Monjur-E-Elahi

B4 2010

Calibri 11 A \$ % ,

Row Labels

2010 2012 Grand Total

Copy Format Cells... Refresh Sort Filter Subtotal "Years" Expand/Collapse Group... Ungroup... Move Remove "Years" Field Settings... PivotTable Options... Hide Field List

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo StockCode Description Quantity InvoiceDate UnitPrice CustomerID Country order amount Quarters Years

More Tables...

Drag fields between areas below:

Filters Columns

Rows Values

Years Quarters InvoiceDate Sum of order amount

Defer Layout Update VBA Update

Online Retail PivotTable

Type here to search

26°C 6:38 PM 18-Aug-21

100%

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

Mohammad Monjur-E-Elahi

B4 : 01-12-2010 8:26:00 AM

File Home Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Analyze Design Tell me what you want to do

A B C D E F G H I J K L M N O P Q R S T U V

Row Labels Sum of order amount

	Sum of order amount
01-12-10 8:26	139.12
01-12-10 8:28	22.2
01-12-10 8:34	348.78
01-12-10 8:35	17.85
01-12-10 8:45	855.86
01-12-10 9:00	204
01-12-10 9:01	22.2
01-12-10 9:02	259.86
01-12-10 9:09	350.4
01-12-10 9:32	588.66
01-12-10 9:34	22.2
01-12-10 9:37	444.98
01-12-10 9:41	457.28
01-12-10 9:45	420.6
01-12-10 9:49	430.6
01-12-10 9:53	Value: 430.6 Row: 01-12-10 9:45
01-12-10 9:56	130.85
01-12-10 9:57	508.2
01-12-10 9:58	3193.92
01-12-10 9:59	226.14
01-12-10 10:03	358.25
01-12-10 10:19	1825.74
01-12-10 10:24	-141.48
01-12-10 10:29	318.14
01-12-10 10:37	79.6
01-12-10 10:39	1024.68
01-12-10 10:47	507.88
01-12-10 10:51	655.36
01-12-10 10:52	448.76
01-12-10 10:53	17.4
01-12-10 11:21	354.23
01-12-10 11:22	357
01-12-10 11:27	192.6
01-12-10 11:29	471.3
01-12-10 11:32	326.4
01-12-10 11:33	353.14
01-12-10 11:34	22.2
01-12-10 11:41	783.11

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo
 StockCode
 Description
 Quantity
 InvoiceDate
 UnitPrice
 CustomerID
 Country
 order amount

More Tables...

Sum of order amount

Filters Columns

Rows Values

InvoiceDate Sum of order amount

Defer Layout Update Update

Online Retail PivotTable

Ready

B: 01-12-2010 9:01:00 AM

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1																					
2																					
3	Row Labels	Sum of order amount																			
4	01-12-10 8:26	139.12																			
5	01-12-10 8:28	22.2																			
6	01-12-10 8:34	348.78																			
7	01-12-10	Calibri 11 A \$ % ,																			
8	01-12-10	B I 22.2																			
9	01-12-10																				
10	01-12-10 8:01	22.2																			
11		Copy																			
12		Format Cells...																			
13		Refresh																			
14		Sort >																			
15		Filter >																			
16		✓ Subtotal "InvoiceDate"																			
17		Expand/Collapse >																			
18		Group...																			
19		Ungroup...																			
20		Move >																			
21		X Remove "InvoiceDate"																			
22		Field Settings...																			
23		PivotTable Options...																			
24		Hide Field List																			
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PivotTable Tools

Row Labels Sum of order amount

01-12-10 8:26 139.12
01-12-10 8:28 22.2
01-12-10 8:34 348.78
01-12-10 8:01 22.2
01-12-10 8:51 655.30
01-12-10 10:52 448.76
01-12-10 10:53 17.4
01-12-10 11:21 354.23
01-12-10 11:22 357
01-12-10 11:27 192.6
01-12-10 11:29 471.3
01-12-10 11:32 326.4
01-12-10 11:33 353.14
01-12-10 11:34 22.2
01-12-10 11:41 783.11

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo StockCode Description Quantity InvoiceDate UnitPrice CustomerID Country order amount

More Tables...

Drag fields between areas below:

Filters Columns

Rows Values

InvoiceDate Sum of order amount

Defer Layout Update VBA Update



Share



Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Analyze Design

Tell me what you want to do

B 01-12-2010 9:01:00 AM

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1																					
2																					
3	Row Labels	Sum of order amount																			
4	01-12-10 8:26	139.12																			
5	01-12-10 8:28	22.2																			
6	01-12-10 8:34	348.78																			
7	01-12-10 8:35	17.85																			
8	01-12-10 8:45	855.86																			
9	01-12-10 9:00	204																			
10	01-12-10 9:01	22.2																			
11	01-12-10 9:02	259.86																			
12	01-12-10 9:09	350.4																			
13	01-12-10 9:32	588.66																			
14	Grouping	?	X																		
15	Auto																				
16	<input checked="" type="checkbox"/> Starting at:	01-12-2010 8:26:00																			
17	<input checked="" type="checkbox"/> Ending at:	09-12-2011 12:50:00																			
18	By																				
19	Seconds																				
20	Minutes																				
21	Hours																				
22	Days																				
23	Months																				
24	Quarters																				
25	Years																				
26	Number of days:	1																			
27	OK		Cancel																		
28	01-12-10 10:39	1024.68																			
29	01-12-10 10:47	507.88																			
30	01-12-10 10:51	655.36																			
31	01-12-10 10:52	448.76																			
32	01-12-10 10:53	17.4																			
33	01-12-10 11:21	354.23																			
34	01-12-10 11:22	357																			
35	01-12-10 11:27	192.6																			
36	01-12-10 11:29	471.3																			
37	01-12-10 11:32	326.4																			
38	01-12-10 11:33	353.14																			
39	01-12-10 11:34	22.2																			
40	01-12-10 11:41	783.11																			

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo
 StockCode
 Description
 Quantity
 InvoiceDate
 UnitPrice
 CustomerID
 Country
 order amount

More Tables...

Drag fields between areas below:

Filters Columns

Rows Values

InvoiceDate Sum of order amount

Defer Layout Update VBA Update

Online Retail PivotTable



B10

01-12-2010 9:01:00 AM

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
3	Row Labels	Sum of order amount																			
4	01-12-10 8:26	139.12																			
5	01-12-10 8:28	22.2																			
6	01-12-10 8:34	348.78																			
7	01-12-10 8:35	17.85																			
8	01-12-10 8:45	855.86																			
9	01-12-10 9:00	204																			
0	01-12-10 9:01	22.2																			
1	01-12-10 9:02	259.86																			
2	01-12-10 9:09	350.4																			
3	01-12-10 9:32	588.66																			
4	01-12-10 10:00	1024.68																			
5	01-12-10 10:47	507.88																			
6	01-12-10 10:51	655.36																			
7	01-12-10 10:52	448.76																			
8	01-12-10 10:53	17.4																			
9	01-12-10 11:21	354.23																			
0	01-12-10 11:22	357																			
1	01-12-10 11:27	192.6																			
2	01-12-10 11:29	471.3																			
3	01-12-10 11:32	326.4																			
4	01-12-10 11:33	353.14																			
5	01-12-10 11:34	22.2																			
6	01-12-10 11:41	783.11																			

PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
- StockCode
- Description
- Quantity
- InvoiceDate
- UnitPrice
- CustomerID
- Country
- order amount

More Tables...

Drag fields between areas below:

Filters

Columns

Rows

Values

InvoiceDate

Sum of order amount

Defer Layout Update



VBA

Update



B10

Apr

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1																					
2																					
3	Row Labels	Sum of order amount																			
4	2010	748957.02																			
5	Dec	748957.02																			
6	2011	8998790.914																			
7	Jan	560000.26																			
8	Feb	498062.65																			
9	Mar	683267.08																			
10	Apr	493207.121																			
11	May	723333.51																			
12	Jun	691123.12																			
13	Jul	681300.111																			
14	Aug	682680.51																			
15	Sep	1019687.622																			
16	Oct	1070704.67																			
17	Nov	1461756.25																			
18	Dec	433668.01																			
19	Grand Total	9747747.934																			
20																					
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PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
 - StockCode
 - Description
 - Quantity
 - InvoiceDate
 - UnitPrice
 - CustomerID
 - Country
 - order amount
 - Years
- [More Tables...](#)

Drag fields between areas below:

Filters

Rows

Years
InvoiceDate

Columns

Sum of order amount



Update

Defer Layout Update



B10

X ✓ f/x

Canada

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Years	(All)																		
2	InvoiceDate	(All)																		
3	Row Labels	Sum of order amount																		
4	Australia	137077.27																		
5	Austria	10154.32																		
6	Bahrain	548.4																		
7	Belgium	40910.96																		
8	Brazil	1143.6																		
9	Canada	3666.38																		
10	Channel Islands	20086.29																		
11	Cyprus	12946.29																		
12	Czech Republic	707.72																		
13	Denmark	18768.14																		
14	EIRE	263276.82																		
15	European Community	1291.75																		
16	Finland	22326.74																		
17	France	197403.9																		
18	Germany	221698.21																		
19	Greece	4710.52																		
20	Hong Kong	10117.04																		
21	Iceland	4310																		
22	Israel	7907.82																		
23	Italy	16890.51																		
24	Japan	35340.62																		
25	Lebanon	1693.88																		
26	Lithuania	1661.06																		
27	Malta	2505.47																		
28	Netherlands	284661.54																		
29	Norway	35163.46																		
30	Poland	7213.14																		
31	Portugal	29367.02																		
32	RSA	1002.31																		
33	Saudi Arabia	131.17																		
34	Singapore	9120.39																		
35	Spain	54774.58																		
36	Sweden	36595.91																		
37	Switzerland	56385.35																		
38	United Arab Emirates	1902.28																		
39	United Kingdom	8187806.364																		
40	Unspecified	4749.79																		

PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
- StockCode
- Description
- Quantity
- InvoiceDate
- UnitPrice
- CustomerID
- Country
- order amount
- Years

More Tables...

Drag fields between areas below:

Filters
Years
InvoiceDate

Rows
Country

Values
Sum of order amount

Defer Layout Update



Update



Pivot table and grouping data from the data for online retail data set.xlsx - Excel

Mohammad Monjur-E-Elahi

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

H11

Years 2011

InvoiceDate (All)

Row Labels Sum of order amount

	Sum of order amount
Australia	136072.17
Austria	9897.28
Bahrain	342.66
Belgium	39101.05
Brazil	1143.6
Canada	3666.38
Channel Islands	19722.76
Cyprus	11355.47
Czech Republic	707.72
Denmark	17486.64
EIRE	254246.87
European Community	1291.75
Finland	21433.94
France	187828.54
Germany	207135.37
Greece	4710.52
Hong Kong	10117.04
Iceland	3598.21
Israel	8135.26
Italy	16096.01
Japan	27635.55
Lebanon	1693.88
Malta	2505.47
Netherlands	275877.06
Norway	31376.34
Poland	6964.98
Portugal	26986.9
RSA	1002.31
Saudi Arabia	131.17
Singapore	9120.39
Spain	52930.85
Sweden	33949.61
Switzerland	55080.43
United Arab Emirates	1902.28
United Kingdom	7511063.744
Unspecified	4749.79
USA	1730.92

VBA

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

Mohammad Monjur-E-Elahi

File Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

H1

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA

1 Years 2011

2 InvoiceDate (All)

3

4 Row L Search  May Jun Jul Aug Sep Oct Nov Dec >09-12-11

5 Australia

6 Austria

7 Bahrain

8 Belgium

9 Brazil

10 Canada

11 Chile

12 Cyprus

13 Czech Republic

14 Denmark

15 EIRE

16 European Community 1291.75

17 Finland 21433.94

18 France 187828.54

19 Germany 207135.37

20 Greece 4710.52

21 Hong Kong 10117.04

22 Iceland 3598.21

23 Israel 8135.26

24 Italy 16096.01

25 Japan 27635.55

26 Lebanon 1693.88

27 Malta 2505.47

28 Netherlands 275877.06

29 Norway 31376.34

30 Poland 6964.98

31 Portugal 26986.9

32 RSA 1002.31

33 Saudi Arabia 131.17

34 Singapore 9120.39

35 Spain 52930.85

36 Sweden 33949.61

37 Switzerland 55080.43

38 United Arab Emirates 1902.28

39 United Kingdom 7511063.744

40 Unspecified 4749.79

41 USA 1730.92

OK Cancel

Online Retail PivotTable

VBA

Type here to search

26°C 6:47 PM 18-Aug-21

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

Mohammad Monjur-E-Elahi

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

H11

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA

1 Years 2011

2 InvoiceDate Dec

3

4 Row Labels Sum of order amount

5 Austria 683.2

6 Belgium 1409.43

7 Channel Islands 194.15

8 Cyprus -91.25

9 Denmark 168.9

10 EIRE 7323.04

11 Finland 1230.68

12 France 7048.83

13 Germany 7804.7

14 Greece 680.99

15 Iceland 224.82

16 Italy 200.45

17 Japan -116.93

18 Malta -30.81

19 Netherlands 11728.02

20 Norway 2785.7

21 Portugal 2801.95

22 Spain 271.43

23 Sweden 0

24 United Kingdom 388735.43

25 USA 615.28

26 Grand Total 433668.01

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Online Retail PivotTable +

VBA

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

PivotTable Tools

Mohammad Monjur-E-Elahi

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Analyze Design Tell me what you want to do Share

194.15

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Years	2011																				
2	InvoiceDate	Dec																				
3	Row Labels	Sum of order amount																				
4	Austria																					
5	Belgium																					
6	Channel Islands																					
7	Cyprus																					
8	Denmark																					
9	EIRE																					
10	Finland																					
11	France																					
12	Germany																					
13	Greece																					
14	Iceland																					
15	Italy																					
16	Japan																					
17	Malta																					
18	Netherlands																					
19	Norway																					
20	Portugal																					
21	Spain																					
22	Sweden																					
23	United Kingdom																					
24	USA																					
25																						
26	Grand Total		433668.01																			
27			615.28																			
28																						
29																						
30																						
31																						
32																						
33																						
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41																						

Online Retail PivotTable

Ready

Type here to search

Share

100%

26°C 6:48 PM 18-Aug-21

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo StockCode Description Quantity InvoiceDate UnitPrice CustomerID Country order amount Years

More Tables...

Drag fields between areas below:

Filters Columns

Years InvoiceDate

Rows Values

Country Sum of order amount

Defer Layout Update VBA Update

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

Mohammad Monjur-E-Elahi

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Analyze Design Tell me what you want to do

C7 : X ✓ fx 7804.7

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Years	2011																				
2	InvoiceDate	Dec																				
3	Row Labels	Sum of order amount																				
4	United Kingdom	388735.43																				
5	Netherlands	11728.02																				
6	Germany	7804.7																				
7	EIRE	7323.04																				
8	France	7048.83																				
9	Portugal	2801.95																				
10	Norway	2785.7																				
11	Belgium	1409.43																				
12	Finland	1230.68																				
13	Austria	683.2																				
14	Greece	680.99																				
15	USA	615.28																				
16	Spain	271.43																				
17	Iceland	224.82																				
18	Italy	200.45																				
19	Channel Islands	194.15																				
20	Denmark	168.9																				
21	Sweden	0																				
22	Malta	-30.81																				
23	Cyprus	-91.25																				
24	Japan	-116.93																				
25	Grand Total	433668.01																				
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Online Retail PivotTable

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Analyze Design Tell me what you want to do

Mohammad Monjur-E-Elahi

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo
StockCode
Description
Quantity
 InvoiceDate
 UnitPrice
 CustomerID
 Country
 order amount
 Years

More Tables...

Drag fields between areas below:

Filters Columns

Years
InvoiceDate

Rows Values

Country
Sum of order amount

VBA

Defer Layout Update

Update

Pivot table and grouping data from the data for online retail data set.xlsx - Excel

PivotTable Tools

Mohammad Monjur-E-Elahi

Netherlands

Years 2011

InvoiceDate Dec

Calibri 11 A A \$ % ,

Row Unit

Netherlands 1728.02

Germany 7804.7

EIRE 7323.04

France 7048.83

Portugal 2801.95

Norway 2785.7

Belgium 1409.13

Finland 100.7

Australia 0

Greece -30.81

USA -91.25

Spain -116.93

Iceland 3668.01

Italy

Chile

Denmark

Sweden

Malta

Cyprus

Japan

Grand Total

Clear Filter From "Country"

Keep Only Selected Items

Hide Selected Items

Top 10...

Label Filters...

Value Filters...

Subtotal "Country"

Expand/Collapse

Group...

Ungroup...

Move

Remove "Country"

Field Settings...

PivotTable Options...

Hide Field List

PivotTable Fields

Choose fields to add to report:

Search

InvoiceNo

StockCode

Description

Quantity

InvoiceDate

UnitPrice

CustomerID

Country

order amount

Years

More Tables...

Drag fields between areas below:

Filters

Years

InvoiceDate

Columns

Rows

Country

Values

Sum of order amount

VBA

Defer Layout Update

Online Retail PivotTable

Type here to search

26°C 6:49 PM 18-Aug-21



Netherlands

Top 10 Filter (Country)

Show

Top 10 Items by Sum of order amount

OK Cancel

PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
 - StockCode
 - Description
 - Quantity
 - InvoiceDate**
 - UnitPrice
 - CustomerID
 - Country**
 - order amount**
 - Years**

More Tables...

Drag fields between areas below:

 Filters

Years

Rows

Country ▾ Sum of order amount

A small icon representing Microsoft Excel, showing a green sheet of paper with a white 'X' and a vertical column of three white bars.



B6

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Years	2011																			
2	InvoiceDate	Dec																			
3	Row Labels		Sum of order amount																		
4	United Kingdom		388735.43																		
5	Netherlands		11728.02																		
6	Germany		7804.7																		
7	EIRE		7323.04																		
8	France		7048.83																		
9	Portugal		2801.95																		
10	Norway		2785.7																		
11	Belgium		1409.43																		
12	Finland		1230.68																		
13	Austria		683.2																		
14	Grand Total		431550.98																		
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PivotTable Fields

Choose fields to add to report:

Search

- InvoiceNo
- StockCode
- Description
- Quantity
- InvoiceDate
- UnitPrice
- CustomerID
- Country
- order amount
- Years

More Tables...

Drag fields between areas below:

Filters

- Years
- InvoiceDate

Rows

- Country

Columns

- Sum of order amount



Update

 Defer Layout Update



B6



Netherlands

	A	B	C	D	E	F	G	H	I	J
1	Years	2011								
2	InvoiceDate	Dec								
3										
4	Row Labels Sum of order amount									
5	United Kingdom		388735.43							
6	Netherlands		11728.02							
7	Germany		7804.7							
8	EIRE		7323.04							
9	France		7048.83							
10	Portugal		2801.95							
11	Norway		2785.7							
12	Belgium		1409.43							
13	Finland		1230.68							
14	Austria		683.2							
15	Grand Total		431550.98							
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LIST





Creating a shape object or button and assign a macro to it that displays in message the current date



Share

Clipboard

Font

Alignment

Number

Styles

Cells

Editing

A1

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

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Sheet1

Ready Scroll Lock

AutoSum

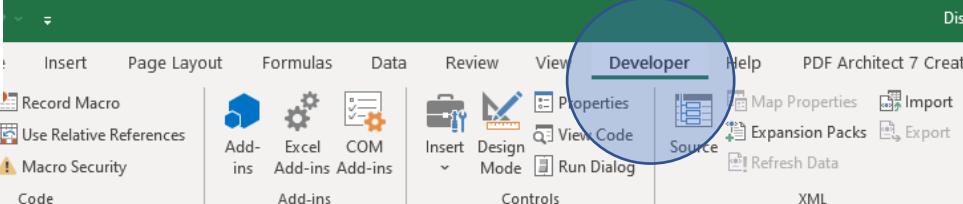
Fill

Clear

Sort & Filter

Select

VBA



Share

A1

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

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Sheet1

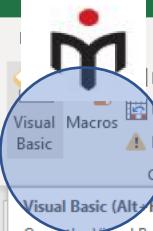


Ready

Scroll Lock



100%

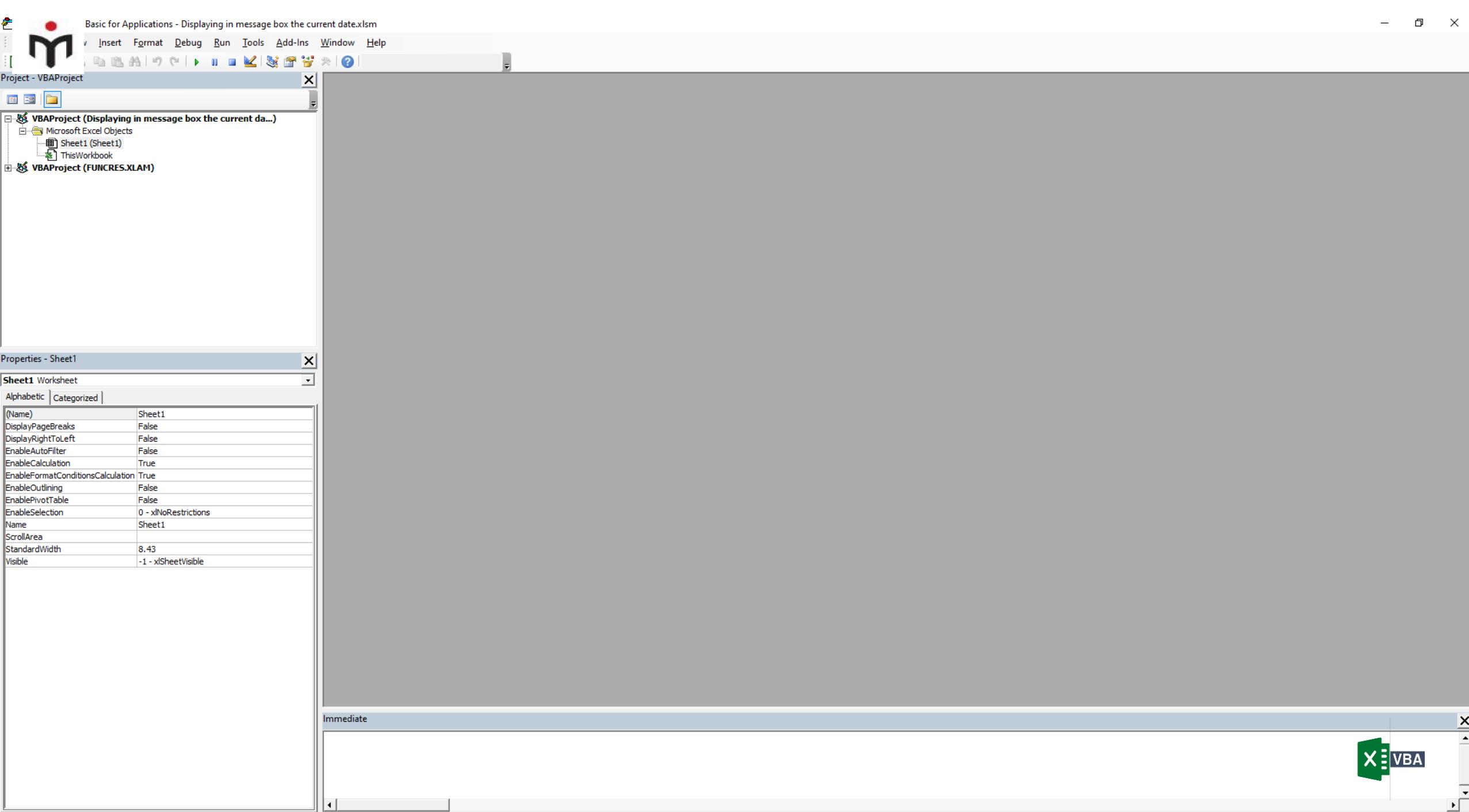


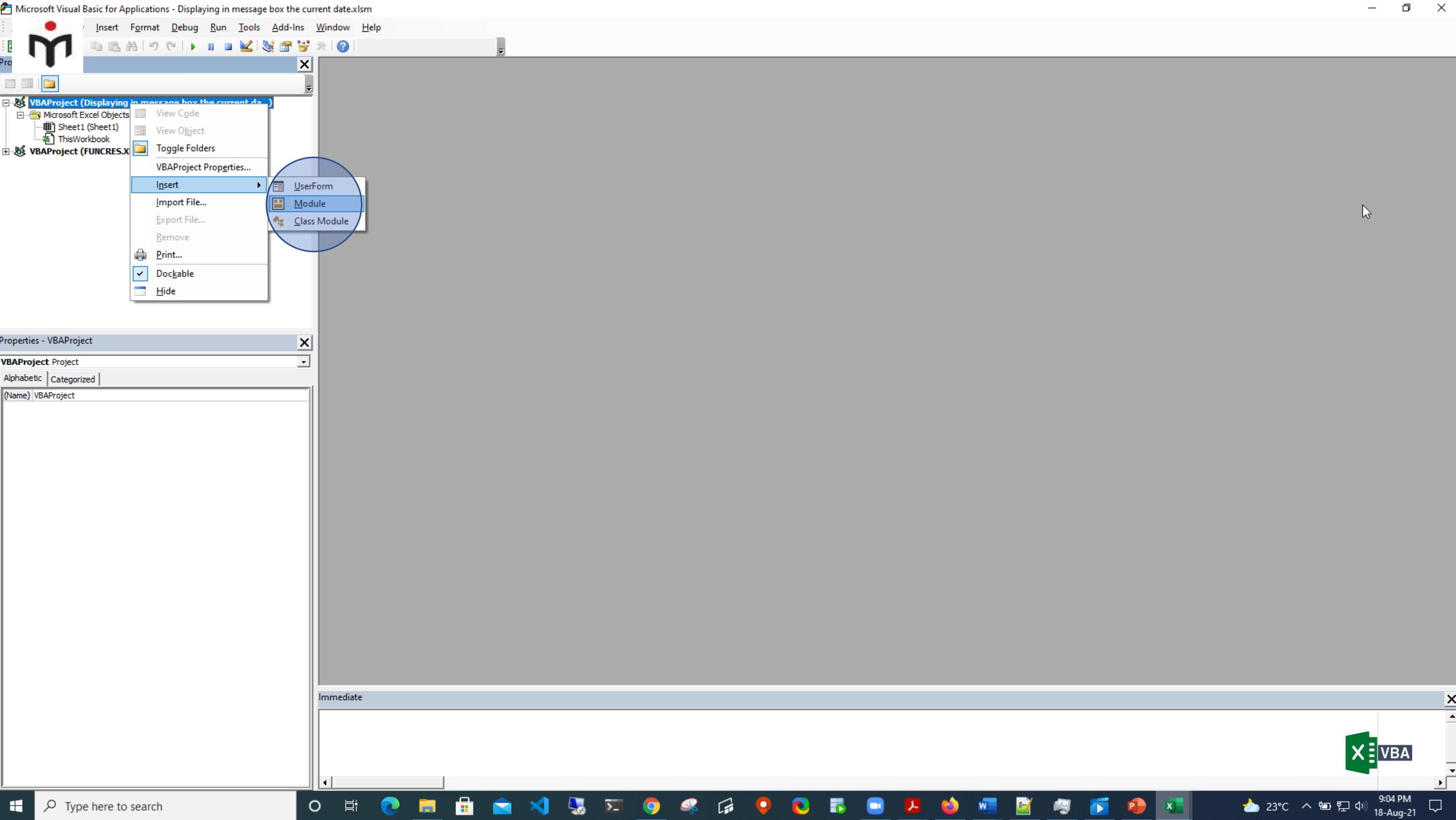
Tell me what you want to do

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
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Sheet1







Basic for Applications - Displaying in message box the current date.xlsxm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 3, Col 1

Project - VBAProject

(General) (Declarations)

Option Explicit

VBAProject (Displaying in message box the current da...)

- Microsoft Excel Objects
 - Sheet1 (Sheet1)
 - ThisWorkbook
- Modules
 - Module1

VBAProject (FUNCRES.XLAM)

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

Immediate

X VBA

The screenshot shows the Microsoft Visual Basic for Applications (VBA) editor interface. The main code window displays the line 'Option Explicit'. The Project Explorer on the left lists the VBAProject with its components: Microsoft Excel Objects (Sheet1, ThisWorkbook) and Modules (Module1). A Properties window is open for Module1, showing the selected tab 'Module1 Module'. The Immediate window at the bottom is empty. The status bar at the bottom right indicates 'X VBA'.

Basic for Applications - Displaying in message box the current date.xlsxm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 12, Col 1

Project - VBAProject

(General) VBA_Current_Date

```
Option Explicit

Sub VBA_Current_Date()

    Dim TodayDate As Date

    TodayDate = Date

    MsgBox "The current date is :" & TodayDate, vbInformation, "Get Current Date"

End Sub
```

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

Immediate

X VBA

The screenshot shows the Microsoft Visual Basic for Applications (VBA) editor interface. The title bar indicates the file is 'Basic for Applications - Displaying in message box the current date.xlsxm - [Module1 (Code)]'. The menu bar includes View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. A toolbar with various icons is visible above the editor area. The status bar at the bottom left shows 'Ln 12, Col 1'. The Project Explorer on the left lists 'VBAProject (Displaying in message box the current da...)' containing 'Microsoft Excel Objects' (Sheet1, ThisWorkbook), 'Modules' (Module1), and 'VBAProject (FUNCRES.XLAM)'. The code editor window titled '(General)' contains the following VBA code:

```
Option Explicit

Sub VBA_Current_Date()

    Dim TodayDate As Date

    TodayDate = Date

    MsgBox "The current date is :" & TodayDate, vbInformation, "Get Current Date"

End Sub
```

A properties window titled 'Properties - Module1' is open, showing 'Module1 Module' selected under 'Alphabetic' tab. The immediate window at the bottom is labeled 'Immediate'.

Microsoft Visual Basic for Applications - Displaying in message box the current date.xlsxm - [Module1 (Code)]

New Insert Format Debug Run Tools Add-Ins Window Help

Run Sub/UserForm (F5)

(General) VBA_Current_Date

Option Explicit

```
Sub VBA_Current_Date()
    Dim TodayDate As Date
    TodayDate = Date
    MsgBox "The current date is :" & TodayDate, vbInformation, "Get Current Date"
End Sub
```

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

Immediate

VBA

Type here to search

23°C 9:07 PM 18-Aug-21

This screenshot shows the Microsoft Visual Basic for Applications (VBA) editor interface. The main window displays a module named 'Module1' containing a single Subroutine called 'VBA_Current_Date'. The code within the subroutine declares a variable 'TodayDate' of type Date, sets it to the current date using the 'Date' function, and then displays a message box with the current date and time. The message box has the title 'Get Current Date' and uses the 'vbInformation' style. The 'Properties' window on the left is visible but empty. The taskbar at the bottom shows various open applications, including Microsoft Edge, Google Chrome, and Microsoft Word.

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 12, Col 1

(General) VBA_Current_Date

Option Explicit

```
Sub VBA_Current_Date()
    Dim TodayDate As Date
    TodayDate = Date
    MsgBox "The current date is: " & TodayDate
End Sub
```

Macro Name: **VBA Current Date**

Run Cancel Step Into Edit Create Delete

Macros In: VBAProject (Displaying in message box the c

Information, "Get Current Date"

Properties - Module1

Module1 Module

Alphabetic | Categorized

(Name) Module1

Immediate

X VBA

Displaying in message box the current date.xlsxm - Excel

Mohammad Monjur-E-Elahi

File Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Record Macro Use Relative References Macro Security

Add-ins Excel Add-ins COM Insert Design Mode Properties View Code Source Map Properties Import Expansion Packs Export Refresh Data XML

A1

1 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

Get Current Date

The current date is :18-Aug-21

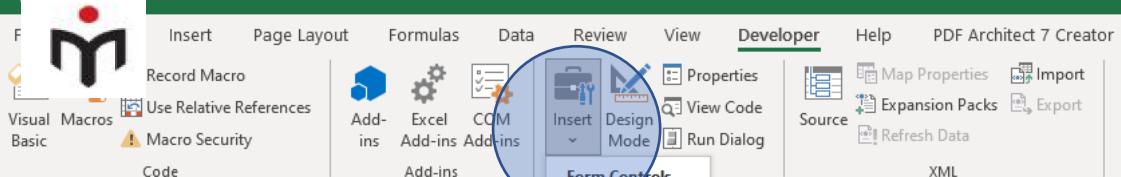
OK

Sheet1

VBA

Type here to search

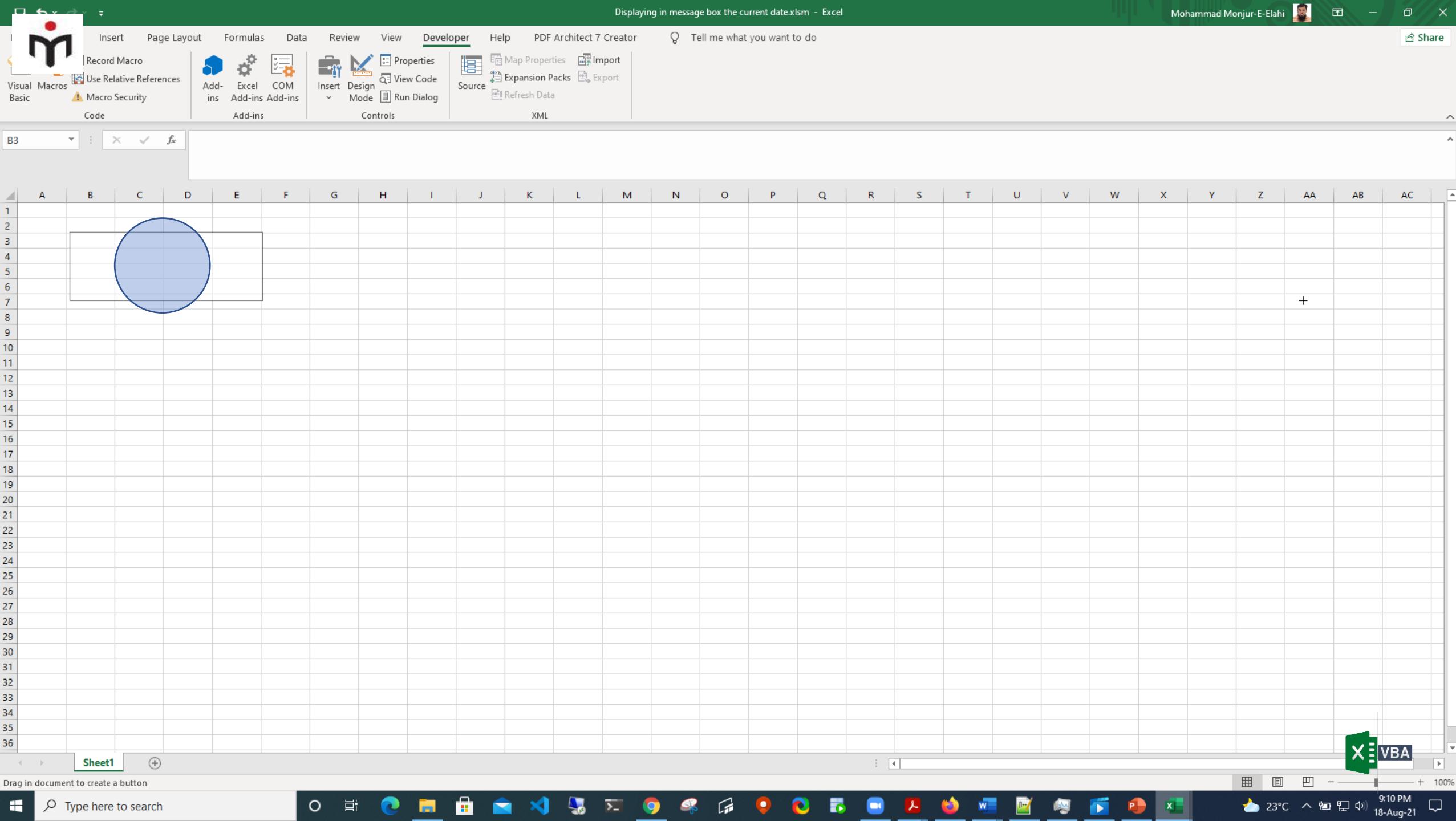
9:08 PM 23°C 18-Aug-21



The screenshot shows the Microsoft Excel interface with the Developer tab selected. A callout bubble highlights the 'Form Controls' section of the ribbon, which contains icons for various form controls such as checkboxes, dropdowns, and buttons. The main workspace is a blank spreadsheet with columns labeled A through AC and rows labeled 1 through 36. Cell B3 is currently selected, indicated by a green border. The status bar at the bottom right shows the VBA logo and the text 'VBA'.

Sheet1







Button 2



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Assign Macro

Macro name:

VBA_Current_Date

VBA_Current_Date



Edit

Record...

Macros in: All Open Workbooks

Description

OK

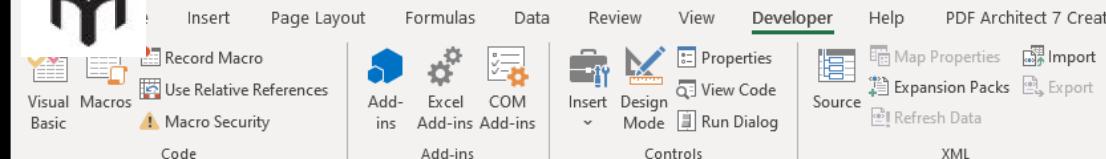
Cancel

Sheet1

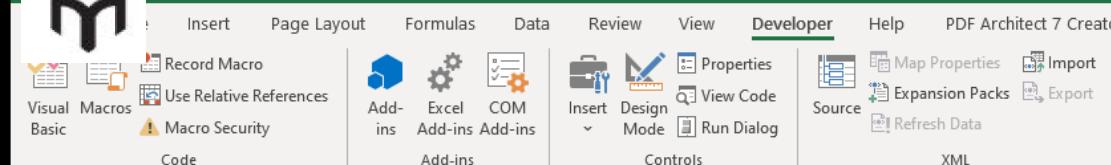




Share



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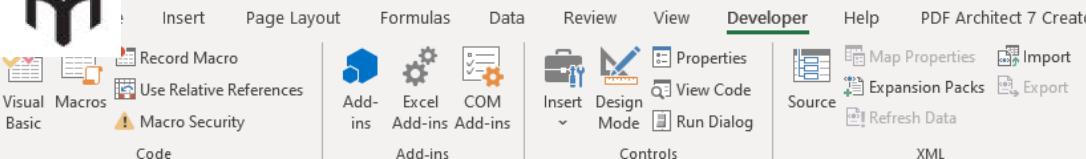


Tell me what you want to do

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Share



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Sheet1



VBA

Ready

Scroll Lock

:

100%

Displaying in message box the current date.xlsx - Excel

Mohammad Monjur-E-Elahi

Share

Developer

Record Macro

Visual Basic Macros

Add-ins

Excel Add-ins

COM Add-ins

Properties

Source

Map Properties

Import

View Code

Expansion Packs

Export

Insert Mode

Design Mode

Run Dialog

Controls

XML

E11

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

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Get Current Date

The current date is :18-Aug-21

OK

VBA

LIST

Type here to search

9:14 PM 18-Aug-21 23°C



Creating a procedure that declares variables of type string and integer

LIST



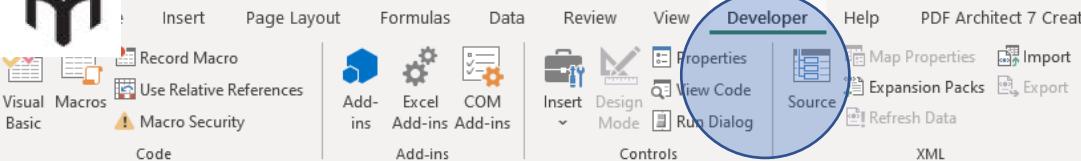


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Share



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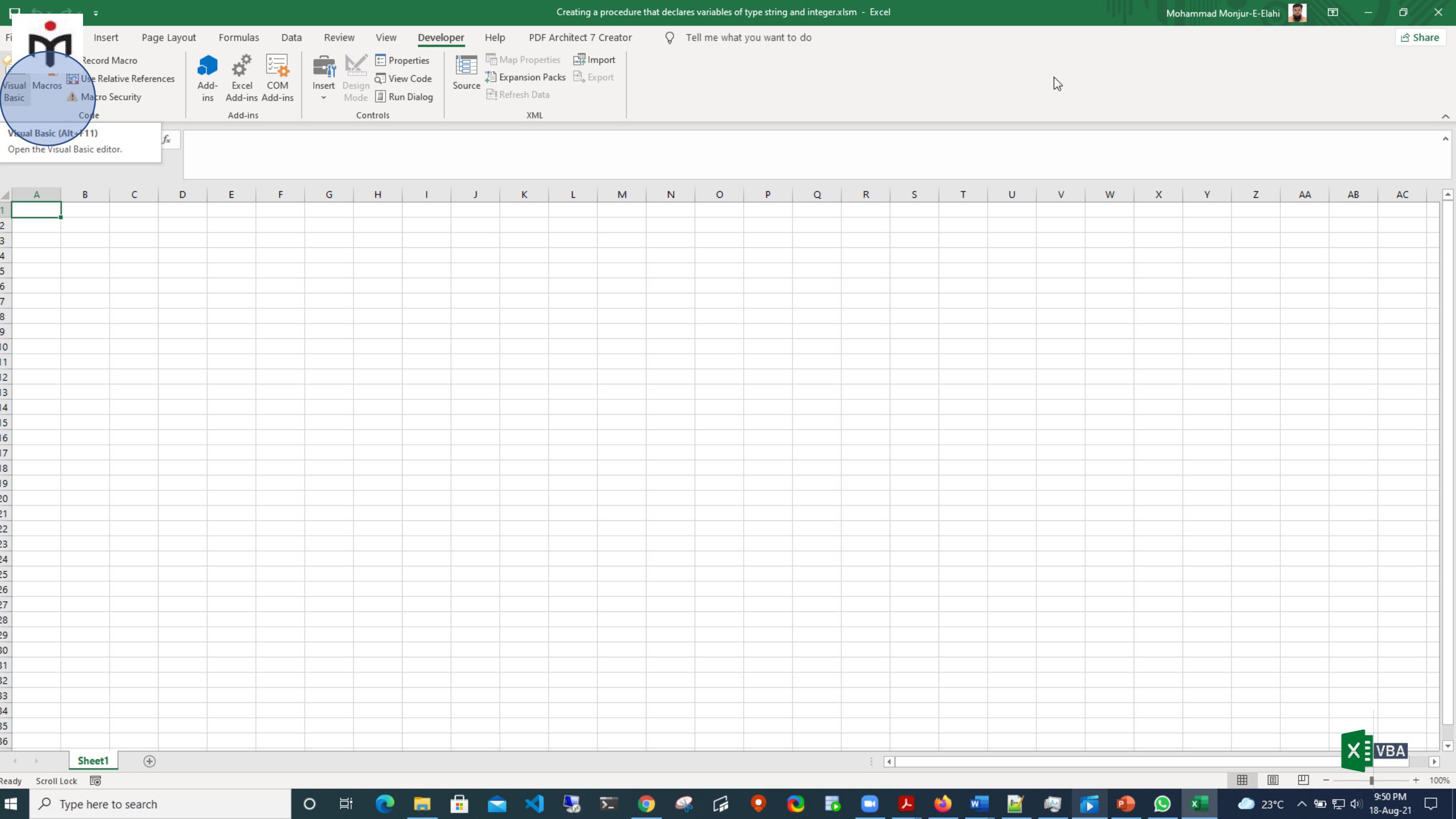
36

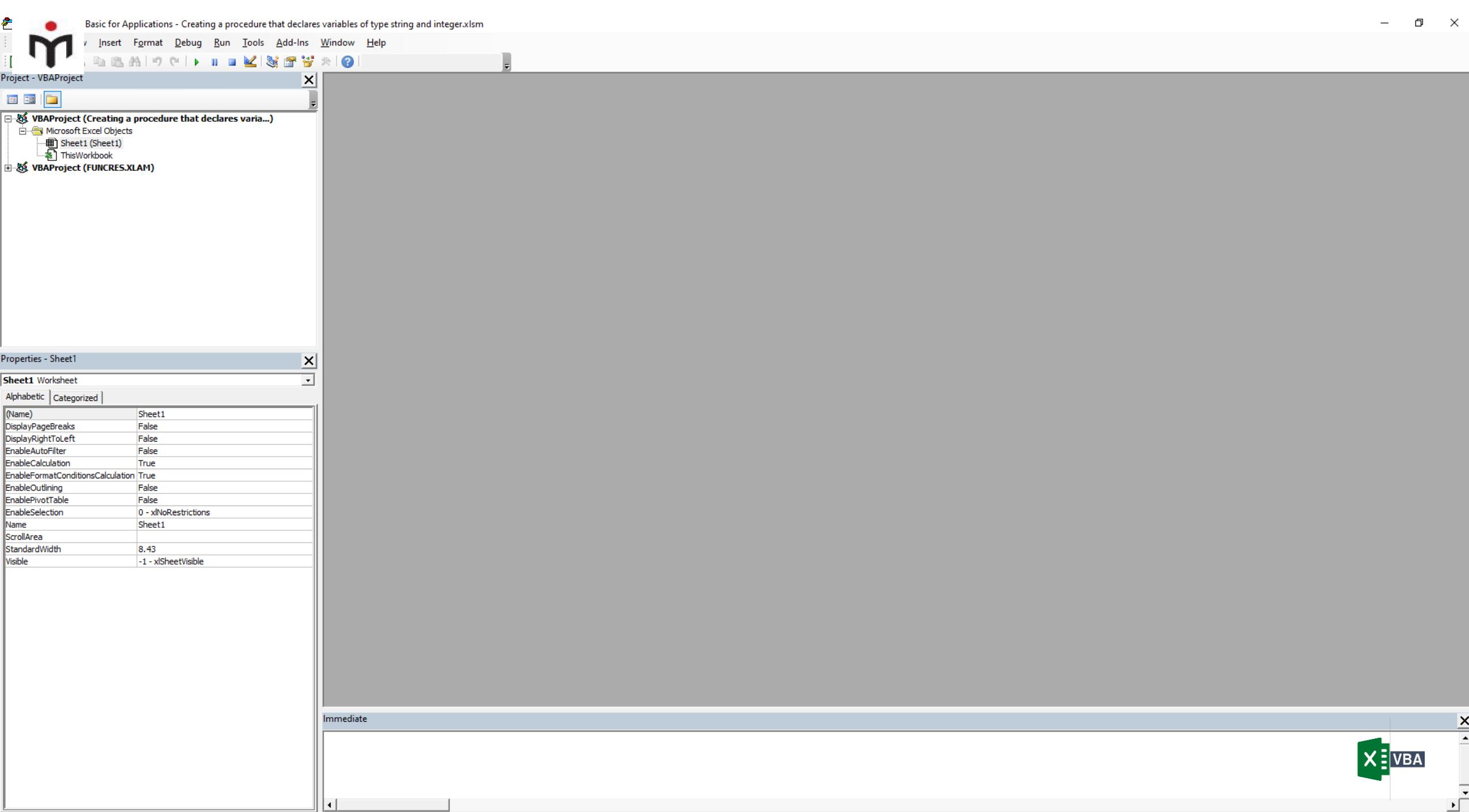


Sheet1



100%





The screenshot shows the Microsoft Visual Basic for Applications (VBA) editor interface. A context menu is open in the Project Explorer window, specifically over the 'VBAPrj' node. The menu items include:

- View Code
- View Object
- Toggle Folders
- VBAProject Properties...
- Insert** (highlighted with a blue circle)
- UserForm
- Module** (selected and highlighted with a blue circle)
- Class Module

Below the Project Explorer is the Properties - VBAProject window, which lists '(Name) VBAProject'. At the bottom of the screen is the Windows taskbar, showing various pinned and running application icons.

Basic for Applications - Creating a procedure that declares variables of type string and integer.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 3, Col 1

(General) (Declarations)

VBAProject (Creating a procedure that declares varia...)

- Microsoft Excel Objects
 - Sheet1 (Sheet1)
 - ThisWorkbook
- Modules
 - Module1

VBAProject (FUNCRES.XLAM)

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

Option Explicit

Immediate

X VBA

The screenshot shows the Microsoft VBA Editor interface. The title bar reads "Basic for Applications - Creating a procedure that declares variables of type string and integer.xlsm - [Module1 (Code)]". The menu bar includes View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. A toolbar with various icons is located above the menu. The code window is open with the title "(General)" and contains the line "Option Explicit". Below the code window is the "Properties" window titled "Properties - Module1", which shows "Module1 Module" is selected. The immediate window is also visible at the bottom of the editor.

Basic for Applications - Creating a procedure that declares variables of type string and integer.xlsxm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 11, Col 24

(General) StringIntegerExample

```
Option Explicit

Sub StringIntegerExample()
    Dim CompanyName As String
    Dim RankingFortune500 As Integer

    CompanyName = "Tesla"
    RankingFortune500 = 100

    MsgBox ("Compnay Name: " & CompanyName & vbCrLf & "Fortune500 Ranking: " _
        & RankingFortune500)

End Sub
```

String and Integer declared

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

Immediate

VBA

Basic for Applications - Creating a procedure that declares variables of type string and integer.xlsxm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Run Sub/UserForm (F5)

(General) StringIntegerExample

Option Explicit

```
Sub StringIntegerExample()
    Dim CompanyName As String
    Dim RankingFortune500 As Integer

    CompanyName = "Tesla"
    RankingFortune500 = 100

    MsgBox ("Compnay Name: " & CompanyName & vbCrLf & "Fortune500 Ranking: " _
        & RankingFortune500)

End Sub
```

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

Immediate

VBA

The screenshot shows the Microsoft VBA Editor interface. The title bar indicates the project is 'Basic for Applications - Creating a procedure that declares variables of type string and integer.xlsxm' and the module is 'Module1 (Code)'. The menu bar includes View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. The toolbar has standard icons for Run, Stop, Break, and Save. The Project Explorer on the left shows the VBAProject (Creating a procedure that declares variables of type string and integer.xlsxm) with modules like Sheet1, ThisWorkbook, and Module1. The Properties window on the left shows 'Module1 Module' selected. The main code editor window contains the 'StringIntegerExample' subroutine. The Immediate window at the bottom is empty. A circled icon in the toolbar (Run Sub/UserForm (F5)) is highlighted.



Tell me what you want to do

A1

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35																												
36																												



Sheet1





Basic for Applications - Creating a procedure that declares variables of type string and integer.xlsxm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 11, Col 24

(General) StringIntegerExample

Option Explicit

```
Sub StringIntegerExample()
    Dim CompanyName As String
    Dim RankingFortune500 As Integer

    CompanyName = "Tesla"
    RankingFortune500 = 100

    MsgBox ("Compnay Name: " & CompanyName & vbCrLf & "Fortune500 Ranking: " _
        & RankingFortune500)

End Sub
```

Properties - Module1

Module1 Module

Alphabetic | Categorized |

(Name) Module1

LIST

VBA



Creating a VBA procedure that changes the font color of table to bold

LIST





I	J	K	L	M	N							
2												
3	Year	Month	Day	Country	Province	City	Postal Code					
4	2001	Jan	11	Canada	Ontario	Toronto	M1J 3E7					
5	2002	Feb	12	Canada	Ontario	Toronto	M1J 3E7					
6	2003	Mar	13	Canada	Ontario	Toronto	M1J 3E7					
7	2004	Apr	14	Canada	Ontario	Toronto	M1J 3E7					
8	2005	May	15	Canada	Ontario	Toronto	M1J 3E7					
9	2006	Jun	16	Canada	Ontario	Toronto	M1J 3E7					
10	2007	Jul	17	Canada	Ontario	Toronto	M1J 3E7					
11	2008	Aug	18	Canada	Ontario	Toronto	M1J 3E7					
12	2009	Sep	19	Canada	Ontario	Toronto	M1J 3E7					
13	2010	Oct	20	Canada	Ontario	Toronto	M1J 3E7					
14	2011	Nov	21	Canada	Ontario	Toronto	M1J 3E7					
15	2012	Dec	22	Canada	Ontario	Toronto	M1J 3E7					
16	2013	Jan	23	Canada	Ontario	Toronto	M1J 3E7					
17	2014	Feb	24	Canada	Ontario	Toronto	M1J 3E7					
18	2015	Mar	25	Canada	Ontario	Toronto	M1J 3E7					
19	2016	Apr	26	Canada	Ontario	Toronto	M1J 3E7					
20	2017	May	27	Canada	Ontario	Toronto	M1J 3E7					
21	2018	Jun	28	Canada	Ontario	Toronto	M1J 3E7					

Took this
table as
existing one



VBA procedure that changes the font color of table to bold.xlsx - Excel

Mohammad Monjur-E-Elahi

Developer

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator

Record Macro Use Relative References Macro Security

Add-ins Excel Add-ins COM Add-ins

Visual Basic Basic

Properties View Code Expansion Packs Refresh Data

Source Run Dialog XML

I21

A B C D E F G H I J K L M N

2

3 Year Month Day Country Province City Postal Code

4 2001 Jan 11 Canada Ontario Toronto M1J 3E7

5 2002 Feb 12 Canada Ontario Toronto M1J 3E7

6 2003 Mar 13 Canada Ontario Toronto M1J 3E7

7 2004 Apr 14 Canada Ontario Toronto M1J 3E7

8 2005 May 15 Canada Ontario Toronto M1J 3E7

9 2006 Jun 16 Canada Ontario Toronto M1J 3E7

10 2007 Jul 17 Canada Ontario Toronto M1J 3E7

11 2008 Aug 18 Canada Ontario Toronto M1J 3E7

12 2009 Sep 19 Canada Ontario Toronto M1J 3E7

13 2010 Oct 20 Canada Ontario Toronto M1J 3E7

14 2011 Nov 21 Canada Ontario Toronto M1J 3E7

15 2012 Dec 22 Canada Ontario Toronto M1J 3E7

16 2013 Jan 23 Canada Ontario Toronto M1J 3E7

17 2014 Feb 24 Canada Ontario Toronto M1J 3E7

18 2015 Mar 25 Canada Ontario Toronto M1J 3E7

19 2016 Apr 26 Canada Ontario Toronto M1J 3E7

20 2017 May 27 Canada Ontario Toronto M1J 3E7

21 2018 Jun 28 Canada Ontario Toronto M1J 3E7

X VBA

Visual Basic Macros Add-ins Add-ins Controls XML

Record Macro Use Relative References Macro Security Code

Add-ins Excel COM Insert Design Mode Run Dialog Source Map Properties Import Expansion Packs Export Refresh Data

Visual Basic (Alt+F11) Open the Visual Basic editor.

A B C D E F G H I J K L M N

2

3 Year Month Day Country Province City Postal Code

4 2001 Jan 11 Canada Ontario Toronto M1J 3E7

5 2002 Feb 12 Canada Ontario Toronto M1J 3E7

6 2003 Mar 13 Canada Ontario Toronto M1J 3E7

7 2004 Apr 14 Canada Ontario Toronto M1J 3E7

8 2005 May 15 Canada Ontario Toronto M1J 3E7

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11 2008 Aug 18 Canada Ontario Toronto M1J 3E7

12 2009 Sep 19 Canada Ontario Toronto M1J 3E7

13 2010 Oct 20 Canada Ontario Toronto M1J 3E7

14 2011 Nov 21 Canada Ontario Toronto M1J 3E7

15 2012 Dec 22 Canada Ontario Toronto M1J 3E7

16 2013 Jan 23 Canada Ontario Toronto M1J 3E7

17 2014 Feb 24 Canada Ontario Toronto M1J 3E7

18 2015 Mar 25 Canada Ontario Toronto M1J 3E7

19 2016 Apr 26 Canada Ontario Toronto M1J 3E7

20 2017 May 27 Canada Ontario Toronto M1J 3E7

21 2018 Jun 28 Canada Ontario Toronto M1J 3E7

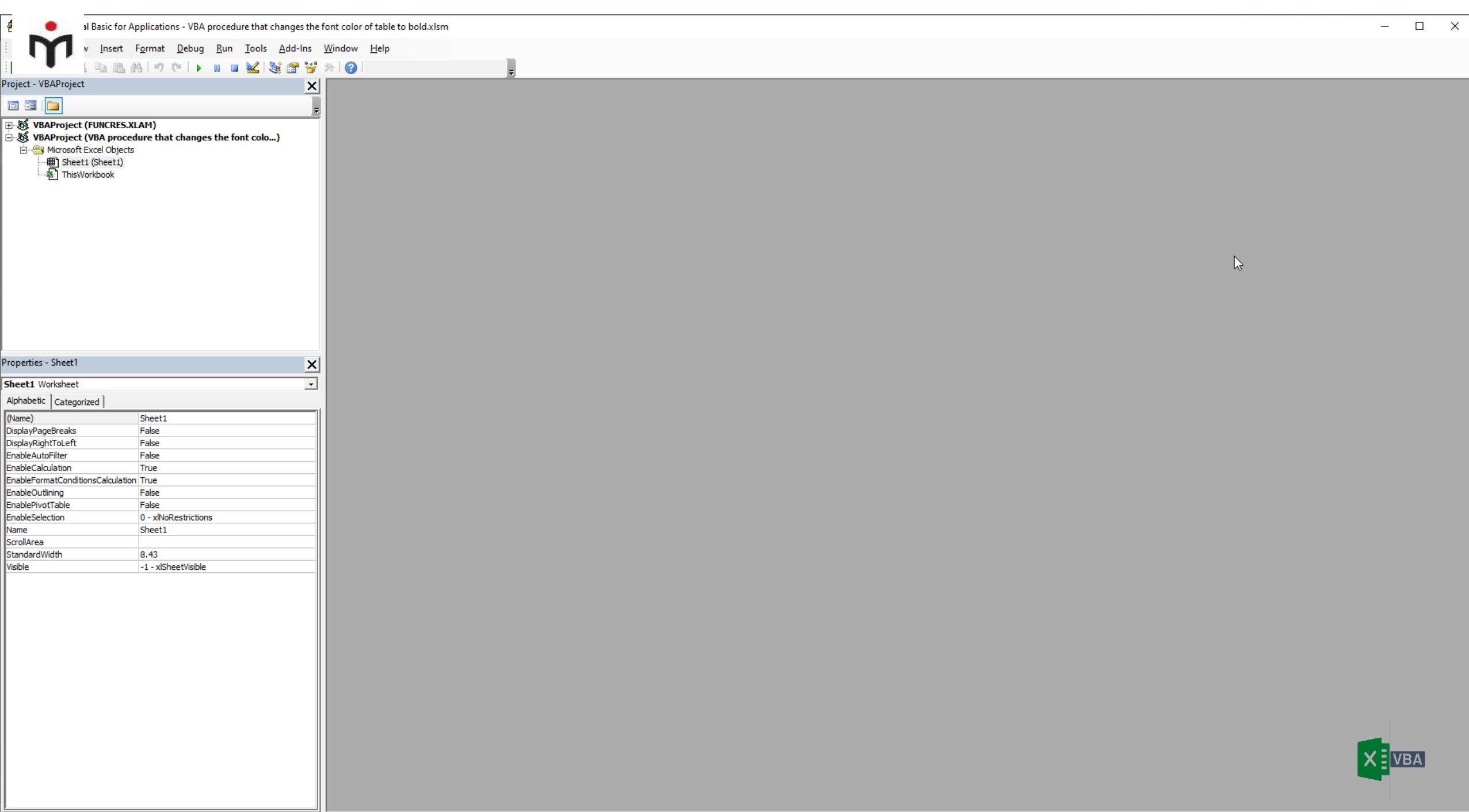
Sheet1

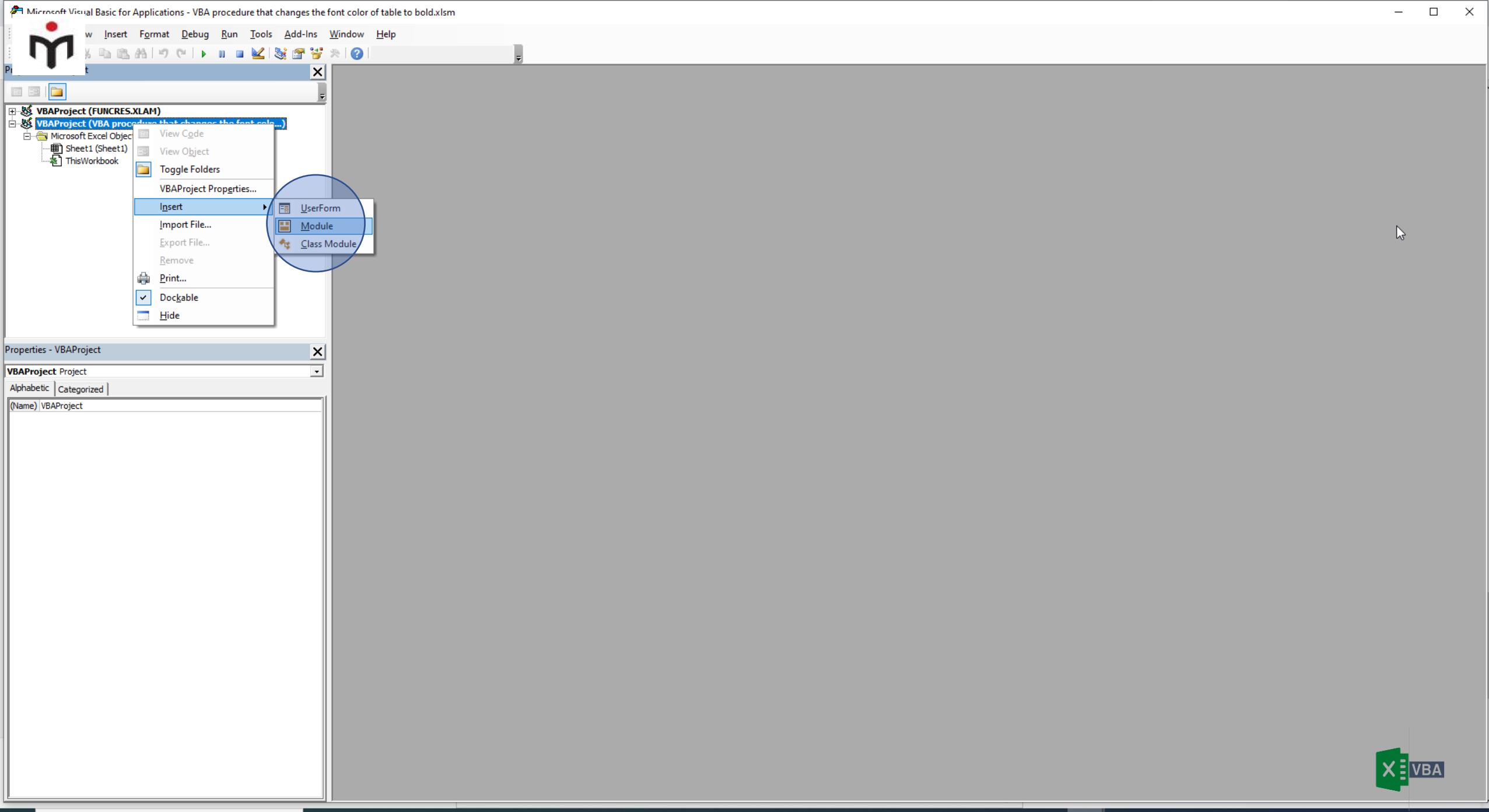
VBA

Ready

Type here to search

27°C 7:01 PM 17-Aug-21





Microsoft Basic for Applications - VBA procedure that changes the font color of table to bold.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

(General) (Declarations)

```
Option Explicit
```

VBAProject (FUNCRES.XLAM)
VBAProject (VBA procedure that changes the font colo...)
 Microsoft Excel Objects
 Sheet1 (Sheet1)
 ThisWorkbook
 Modules
 Module1

Properties - Module1

Module1 Module

Alphabetic | Categorized |

(Name) Module1

X VBA

Microsoft Basic for Applications - VBA procedure that changes the font color of table to bold.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 9, Col 1

Project - VBAProject

(General) VBAFontColorBold

```
Option Explicit

Sub VBAFontColorBold()
    Range("B3:H21").Select
    Selection.Font.Bold = True
End Sub
```

Selected the whole table range

Properties - Module1

Module1 Module

Alphabetic | Categorized |

(Name) Module1

X VBA

VBA procedure that changes the font color of table to bold.xlsx - Excel

Mohammad Monjur-E-Elahi

Share

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Record Macro Use Relative References Macro Security

Add-ins Excel Add-ins COM Add-ins

Visual Macros Basic

Properties View Code Source Import Expansion Packs Refresh Data Run Dialog Controls XML

I21

A B C D E F G H I J K L M N

2

3 Year Month Day Country Province City Postal Code

4 2001 Jan 11 Canada Ontario Toronto M1J 3E7

5 2002 Feb 12 Canada Ontario Toronto M1J 3E7

6 2003 Mar 13 Canada Ontario Toronto M1J 3E7

7 2004 Apr 14 Canada Ontario Toronto M1J 3E7

8 2005 May 15 Canada Ontario Toronto M1J 3E7

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17 2014 Feb 24 Canada Ontario Toronto M1J 3E7

18 2015 Mar 25 Canada Ontario Toronto M1J 3E7

19 2016 Apr 26 Canada Ontario Toronto M1J 3E7

20 2017 May 27 Canada Ontario Toronto M1J 3E7

21 2018 Jun 28 Canada Ontario Toronto M1J 3E7

Before
Running the
code

X VBA

Sheet1

Ready

The screenshot shows the Microsoft VBA Editor interface. The title bar reads "Excel Basic for Applications - VBA procedure that changes the font color of table to bold.xlsm - [Module1 (Code)]". The menu bar includes View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. A toolbar with various icons is visible above the code window. The code window displays the following VBA code:

```
Option Explicit

Sub VBAFontColorBold()

Range("B3:H21").Select
Selection.Font.Bold = True

End Sub
```

The Project Explorer on the left shows two projects: "VBAProject (FUNCRES.XLAM)" and "VBAProject (VBA procedure that changes the font colo...)" which contains "Sheet1 (Sheet1)", "ThisWorkbook", and "Module1". The Properties window on the left is titled "Properties - Module1" and shows "Module1 Module" selected. The status bar at the bottom indicates "Ln 10, Col 1". A blue circle highlights the "Run Sub/UserForm (F5)" button in the toolbar.



VBA procedure that changes the font color of table to bold.xlsxm - Excel

Mohammad Monjur-E-Elahi

Table Tools

Font

Alignment

Number

Styles

Cells

Editing

B3 Year

A B C D E F G H I J K L M N

2

3 Year Month Day Country Province City Postal Code

4 2001 Jan 11 Canada Ontario Toronto M1J 3E7

5 2002 Feb 12 Canada Ontario Toronto M1J 3E7

6 2003 Mar 13 Canada Ontario Toronto M1J 3E7

7 2004 Apr 14 Canada Ontario Toronto M1J 3E7

8 2005 May 15 Canada Ontario Toronto M1J 3E7

9 2006 Jun 16 Canada Ontario Toronto M1J 3E7

10 2007 Jul 17 Canada Ontario Toronto M1J 3E7

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13 2010 Oct 20 Canada Ontario Toronto M1J 3E7

14 2011 Nov 21 Canada Ontario Toronto M1J 3E7

15 2012 Dec 22 Canada Ontario Toronto M1J 3E7

16 2013 Jan 23 Canada Ontario Toronto M1J 3E7

17 2014 Feb 24 Canada Ontario Toronto M1J 3E7

18 2015 Mar 25 Canada Ontario Toronto M1J 3E7

19 2016 Apr 26 Canada Ontario Toronto M1J 3E7

20 2017 May 27 Canada Ontario Toronto M1J 3E7

21 2018 Jun 28 Canada Ontario Toronto M1J 3E7

Change as the code runs

LIST

VBA

Average: 1014.5 Count: 133 Sum: 36522



Creating a VBA procedure that adds a yellow explanation column to right of table

LIST



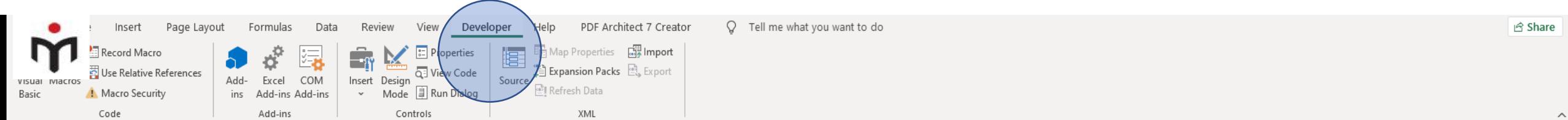


The screenshot shows the Microsoft Excel ribbon with the 'Home' tab selected. The 'Font' group contains buttons for Calibri, 11pt, bold, italic, underline, and font color. The 'Alignment' group includes options for horizontal, vertical, and wrap text. The 'Number' group has buttons for General, Currency, Percentage, and scientific notation. The 'Styles' group features a color palette for 'Normal' (light gray), 'Bad' (red), 'Good' (green), 'Neutral' (yellow), 'Calculation' (orange), 'Check Cell' (gray), 'Explanatory ...' (light blue), 'Input' (light orange), 'Linked Cell' (light green), and 'Note' (light yellow). The 'Cells' group includes Insert, Delete, Format, and Sort & Filter buttons. The 'Editing' group has AutoSum, Fill, Clear, and Find & Select buttons.

Canada																	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1																	
2																	
3	Year	Month	Day	Country	Province	City	Postal Code										
4	2001	Jan	11	Canada	Ontario	Toronto	M1J 3E7										
5	2002	Feb	12	Canada	Ontario	Toronto	M1J 3E7										
6	2003	Mar	13	Canada	Ontario	Toronto	M1J 3E7										
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9	2006	Jun	16	Canada	Ontario	Toronto	M1J 3E7										
10	2007	Jul	17	Canada	Ontario	Toronto	M1J 3E7										
11	2008	Aug	18	Canada	Ontario	Toronto	M1J 3E7										
12	2009	Sep	19	Canada	Ontario	Toronto	M1J 3E7										
13	2010	Oct	20	Canada	Ontario	Toronto	M1J 3E7										
14	2011	Nov	21	Canada	Ontario	Toronto	M1J 3E7										
15	2012	Dec	22	Canada	Ontario	Toronto	M1J 3E7										
16	2013	Jan	23	Canada	Ontario	Toronto	M1J 3E7										
17	2014	Feb	24	Canada	Ontario	Toronto	M1J 3E7										
18	2015	Mar	25	Canada	Ontario	Toronto	M1J 3E7										
19	2016	Apr	26	Canada	Ontario	Toronto	M1J 3E7										
20	2017	May	27	Canada	Ontario	Toronto	M1J 3E7										
21	2018	Jun	28	Canada	Ontario	Toronto	M1J 3E7										
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Took this
table as
existing one





	A	B	C	D	E	F	G	H	I	J	K	L	M	N
2														
3		Year	Month	Day	Country	Province	City	Postal Code						
4	2001	Jan	11	Canada	Ontario	Toronto	M1J 3E7							
5	2002	Feb	12	Canada	Ontario	Toronto	M1J 3E7							
6	2003	Mar	13	Canada	Ontario	Toronto	M1J 3E7							
7	2004	Apr	14	Canada	Ontario	Toronto	M1J 3E7							
8	2005	May	15	Canada	Ontario	Toronto	M1J 3E7							
9	2006	Jun	16	Canada	Ontario	Toronto	M1J 3E7							
10	2007	Jul	17	Canada	Ontario	Toronto	M1J 3E7							
11	2008	Aug	18	Canada	Ontario	Toronto	M1J 3E7							
12	2009	Sep	19	Canada	Ontario	Toronto	M1J 3E7							
13	2010	Oct	20	Canada	Ontario	Toronto	M1J 3E7							
14	2011	Nov	21	Canada	Ontario	Toronto	M1J 3E7							
15	2012	Dec	22	Canada	Ontario	Toronto	M1J 3E7							
16	2013	Jan	23	Canada	Ontario	Toronto	M1J 3E7							
17	2014	Feb	24	Canada	Ontario	Toronto	M1J 3E7							
18	2015	Mar	25	Canada	Ontario	Toronto	M1J 3E7							
19	2016	Apr	26	Canada	Ontario	Toronto	M1J 3E7							
20	2017	May	27	Canada	Ontario	Toronto	M1J 3E7							
21	2018	Jun	28	Canada	Ontario	Toronto	M1J 3E7							



Share

Developer

Record Macro

Use Relative References

Visual Basic Macros

Add-ins Excel COM Add-ins Add-ins

Insert Design Mode Run Dialog

Properties Import

Source Expansion Packs Export

Refresh Data

XML

Visual Basic (Alt+F11)

Open the Visual Basic editor.

A B C D E F G H I J K L M N

2

3 Year Month Day Country Province City Postal Code

4 2001 Jan 11 Canada Ontario Toronto M1J 3E7

5 2002 Feb 12 Canada Ontario Toronto M1J 3E7

6 2003 Mar 13 Canada Ontario Toronto M1J 3E7

7 2004 Apr 14 Canada Ontario Toronto M1J 3E7

8 2005 May 15 Canada Ontario Toronto M1J 3E7

9 2006 Jun 16 Canada Ontario Toronto M1J 3E7

10 2007 Jul 17 Canada Ontario Toronto M1J 3E7

11 2008 Aug 18 Canada Ontario Toronto M1J 3E7

12 2009 Sep 19 Canada Ontario Toronto M1J 3E7

13 2010 Oct 20 Canada Ontario Toronto M1J 3E7

14 2011 Nov 21 Canada Ontario Toronto M1J 3E7

15 2012 Dec 22 Canada Ontario Toronto M1J 3E7

16 2013 Jan 23 Canada Ontario Toronto M1J 3E7

17 2014 Feb 24 Canada Ontario Toronto M1J 3E7

18 2015 Mar 25 Canada Ontario Toronto M1J 3E7

19 2016 Apr 26 Canada Ontario Toronto M1J 3E7

20 2017 May 27 Canada Ontario Toronto M1J 3E7

21 2018 Jun 28 Canada Ontario Toronto M1J 3E7

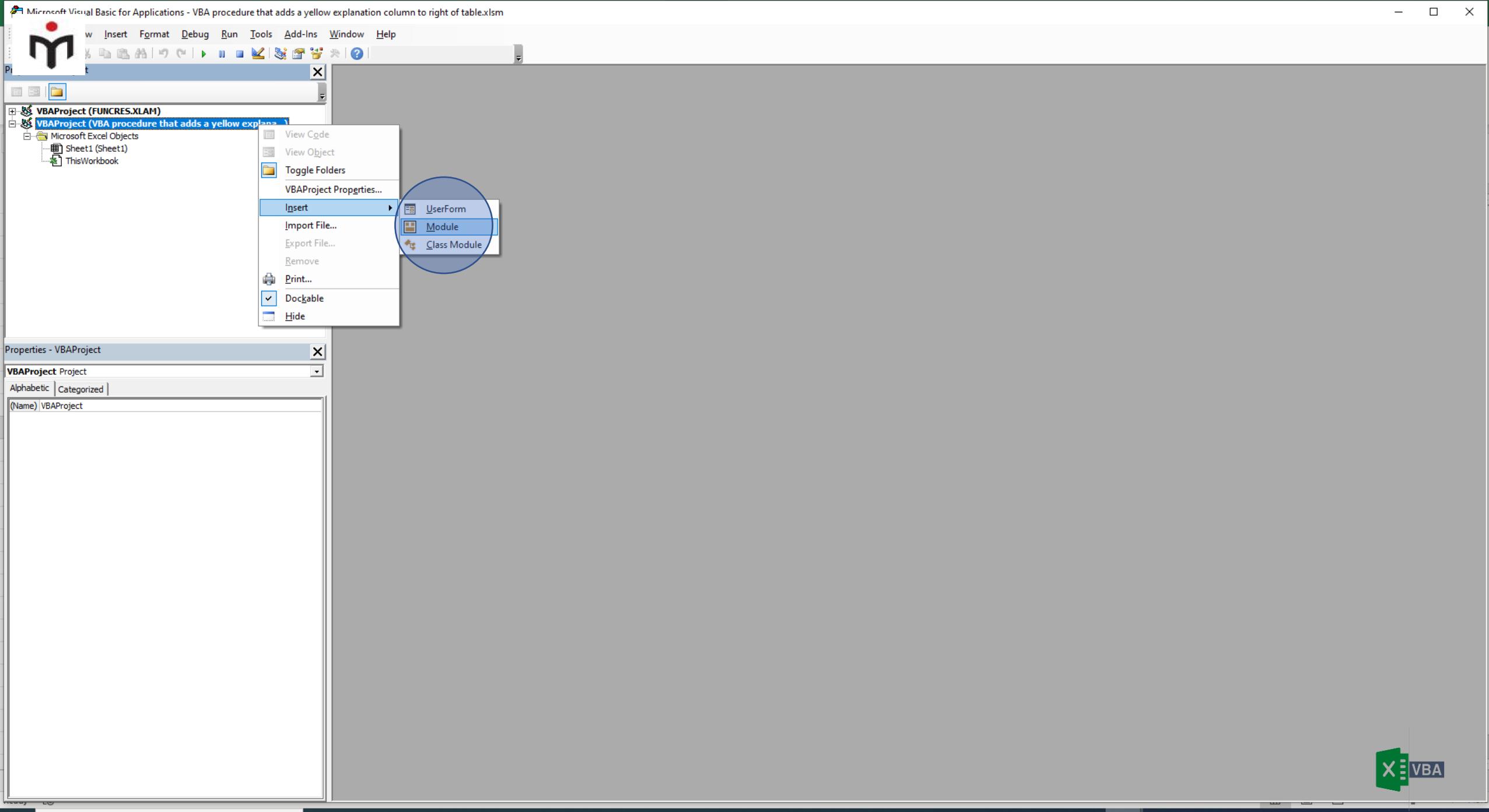
Sheet1

VBA

Ready

Type here to search

17-Aug-21 7:01 PM 27°C



Microsoft Basic for Applications - VBA procedure that adds a yellow explanation column to right of table.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

(General) (Declarations)

Option Explicit

VBAProject (FUNCRES.XLAM)

VBAProject (VBA procedure that adds a yellow explana...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Modules

Module1

Properties - Module1

Module1 Module

Alphabetic | Categorized |

(Name) Module1

X VBA

Ln 3, Col 1

al Basic for Applications - VBA procedure that adds a yellow explanation column to right of table.xlsxm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 9, Col 18

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (VBA procedure that adds a yellow explana...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Modules

Module1

(General) AddColumn

```
Option Explicit

Sub AddColumn()

    Sheets("Sheet1").Select
    Range("I3").Select
    ActiveCell.FormulaR1C1 = "Explanation"
    Columns("I:I").EntireColumn.AutoFit
    Range("I3:I21").Select
    With Selection.Interior
        .Pattern = xlSolid
        .PatternColorIndex = xlAutomatic
        .Color = 65535
        .TintAndShade = 0
        .PatternTintAndShade = 0
    End With
End Sub
```

Got the code from macro recording and edited

X VBA



I3	Explanation
1	
2	
3	Year Month Day Country Province City Postal Code Explanation
4	2001 Jan 11 Canada Ontario Toronto M1J 3E7
5	2002 Feb 12 Canada Ontario Toronto M1J 3E7
6	2003 Mar 13 Canada Ontario Toronto M1J 3E7
7	2004 Apr 14 Canada Ontario Toronto M1J 3E7
8	2005 May 15 Canada Ontario Toronto M1J 3E7
9	2006 Jun 16 Canada Ontario Toronto M1J 3E7
10	2007 Jul 17 Canada Ontario Toronto M1J 3E7
11	2008 Aug 18 Canada Ontario Toronto M1J 3E7
12	2009 Sep 19 Canada Ontario Toronto M1J 3E7
13	2010 Oct 20 Canada Ontario Toronto M1J 3E7
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17	2014 Feb 24 Canada Ontario Toronto M1J 3E7
18	2015 Mar 25 Canada Ontario Toronto M1J 3E7
19	2016 Apr 26 Canada Ontario Toronto M1J 3E7
20	2017 May 27 Canada Ontario Toronto M1J 3E7
21	2018 Jun 28 Canada Ontario Toronto M1J 3E7
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23	
24	
25	

Created the
target column
for color
change



The screenshot shows the Microsoft VBA Editor interface. At the top, the title bar reads "Excel Basic for Applications - VBA procedure that adds a yellow explanation column to right of table.xlsm - [Module1 (Code)]". The menu bar includes View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. Below the menu is a toolbar with various icons. The left pane displays the "Project - VBAProject" window, which lists "VBAProject (FUNCRES.XLAM)" and "VBAProject (VBA procedure that adds a yellow explana...)" under "VBAProject (FUNCRES.XLAM)". Inside "VBAProject (VBA procedure that adds a yellow explana...)", there are "Microsoft Excel Objects" containing "Sheet1 (Sheet1)" and "ThisWorkbook", and a "Modules" section containing "Module1". A blue circle highlights the "Run" button in the toolbar. The main code editor window is titled "(General)" and contains the following VBA code:

```
Option Explicit

Sub AddColumn()

    Sheets("Sheet1").Select
    Range("I3").Select
    ActiveCell.FormulaR1C1 = "Explanation"
    Columns("I:I").EntireColumn.AutoFit
    Range("I3:I21").Select
    With Selection.Interior
        .Pattern = xlSolid
        .PatternColorIndex = xlAutomatic
        .Color = 65535
        .TintAndShade = 0
        .PatternTintAndShade = 0
    End With
End Sub
```

The "Properties - Module1" window on the left shows "Module1 Module" selected. The bottom right corner features a green "X" icon with the word "VBA" next to it.



I3	Explanation
1	
2	
3	Year Month Day Country Province City Postal Code Explanation
4	2001 Jan 11 Canada Ontario Toronto M1J 3E7
5	2002 Feb 12 Canada Ontario Toronto M1J 3E7
6	2003 Mar 13 Canada Ontario Toronto M1J 3E7
7	2004 Apr 14 Canada Ontario Toronto M1J 3E7
8	2005 May 15 Canada Ontario Toronto M1J 3E7
9	2006 Jun 16 Canada Ontario Toronto M1J 3E7
10	2007 Jul 17 Canada Ontario Toronto M1J 3E7
11	2008 Aug 18 Canada Ontario Toronto M1J 3E7
12	2009 Sep 19 Canada Ontario Toronto M1J 3E7
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15	2012 Dec 22 Canada Ontario Toronto M1J 3E7
16	2013 Jan 23 Canada Ontario Toronto M1J 3E7
17	2014 Feb 24 Canada Ontario Toronto M1J 3E7
18	2015 Mar 25 Canada Ontario Toronto M1J 3E7
19	2016 Apr 26 Canada Ontario Toronto M1J 3E7
20	2017 May 27 Canada Ontario Toronto M1J 3E7
21	2018 Jun 28 Canada Ontario Toronto M1J 3E7
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LIST





Creating a VBA procedure that uses loop

LIST



VBA procedure that uses loop.xlsxm - Excel

Mohammad Monjur-E-Elahi

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Get Add-ins Bing Maps SmartArt Screenshot

My Add-ins Visio Data Visualizer People Graph

PivotTable Recommended PivotTables Table Pictures Shapes Screenshot

Tables Illustrations

Recommended Charts Charts Tours

PivotChart 3D Map

Line Column Win/Loss

Sparklines Filters Links

Timeline Text Box Header & Footer WordArt Signature Object Line

Text Symbols

D9

A B C D E F G H I J K L M N O P Q R S T

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Sheet1

X VBA



Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator
Record Macro Use Relative References
Visual Macros Basic Macro Security Code

Add-ins Excel Add-ins COM Add-ins
Add-ins Insert Design Mode Run Dialog
Controls

Properties View Code Source
Import Expansion Packs Export
Refresh Data XML



D9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
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VBA



Visual Basic Macros Record Macro Use Relative References Macro Security Code

Add-ins Excel COM Add-ins Add-ins Insert Design Mode Run Dialog Source Map Properties Import Expansion Packs Export Refresh Data XML

Visual Basic (Alt+F11) Open the Visual Basic editor.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
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Sheet1



Basic for Applications

Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (VBA procedure that uses loop.xlsm)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Modules

- Module1

Properties - Sheet1

Sheet1 Worksheet

Alphabetic Categorized

(Name)	Sheet1
DisplayPageBreaks	False
DisplayRightToLeft	False
EnableAutoFilter	False
EnableCalculation	True
EnableFormatConditionsCalculation	True
EnableOutlining	False
EnablePivotTable	False
EnableSelection	0 - xlNoRestrictions
Name	Sheet1
ScrollArea	
StandardWidth	8.43
Visible	-1 - xlSheetVisible

Immediate

X VBA

Basic for Applications - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 1, Col 1

(General) (Declarations)

Option Explicit

```
Sub LoopExample()
    ' Starts to fill cells A11:A25 with values of X' --- Comment
    ' This will exit from the loop after 25' --- Comment

    Dim X As Integer

    For X = 11 To 100
        Range("A" & X).Value = X
        If X = 25 Then
            MsgBox ("Bye Bye")
            Exit For
        End If
    Next X

End Sub
```

Properties - Module1

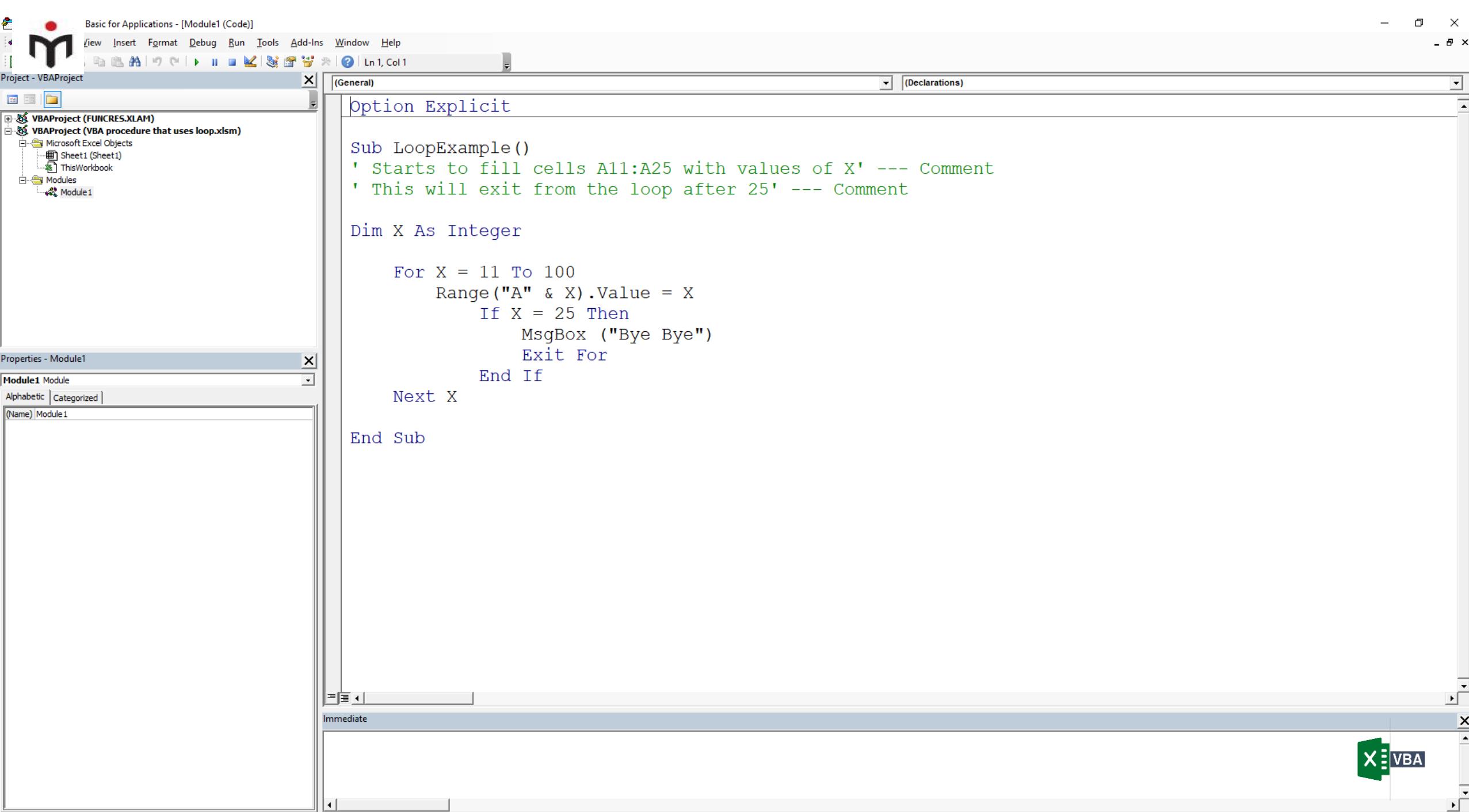
Module1 Module

Alphabetic Categorized

(Name) Module1

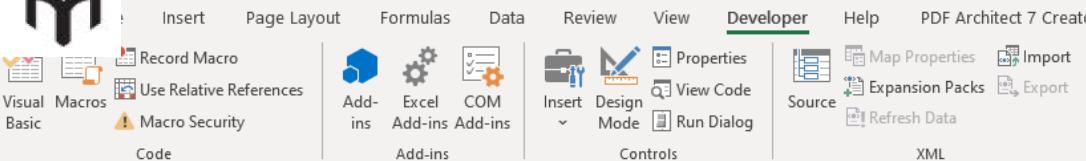
Immediate

VBA





Share



D9

:

X

✓

fx

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Sheet1



145%

Basic for Applications - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Run Sub/UserForm (F5)

(General) (Declarations)

Option Explicit

```
Sub LoopExample()
    ' Starts to fill cells A11:A25 with values of X' --- Comment
    ' This will exit from the loop after 25' --- Comment

    Dim X As Integer

    For X = 11 To 100
        Range("A" & X).Value = X
        If X = 25 Then
            MsgBox ("Bye Bye")
            Exit For
        End If
    Next X

End Sub
```

Properties - Module1

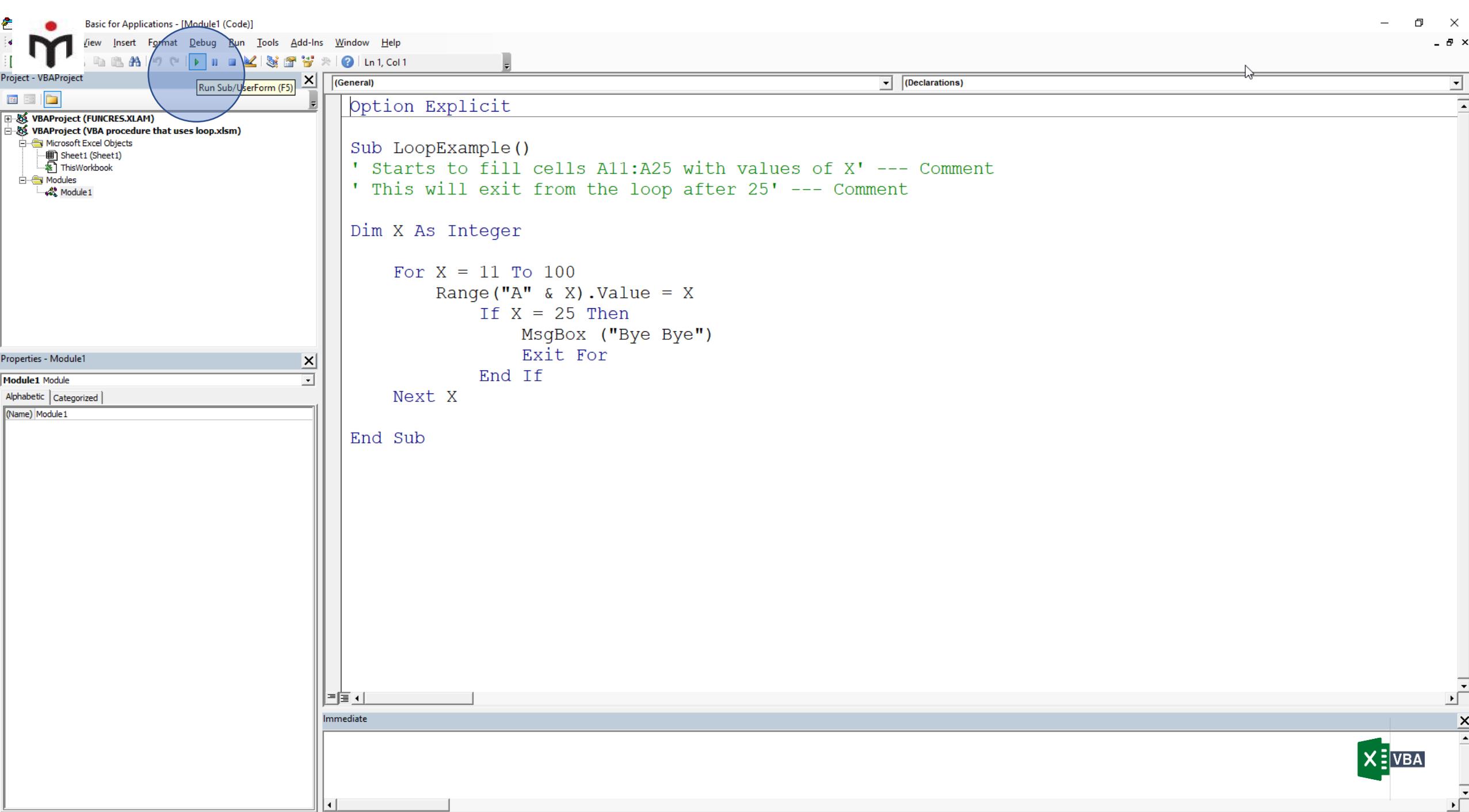
Module1 Module

Alphabetic Categorized

(Name) Module1

Immediate

VBA



Microsoft Visual Basic for Applications - [Module1 (Code)]

New Insert Format Debug Run Tools Add-Ins Window Help

Ln 18, Col 1

(General) LoopExample

```
Option Explicit

Sub LoopExample()
    ' Starts to fill cells A1:A25 with values of X' --- Comment
    ' This will exit from the loop after 25' --- Comment

    Dim X As Integer

    For X = 11 To 100
        Range("A" & X).Value = X
        If X = 25 Then
            MsgBox "Loop Example"
            Exit For
        End If
    Next X
End Sub
```

Macros

Macro Name: LoopExample

Run Cancel Step Into Edit Create Delete

Macros In: VBAProject (VBA procedure that uses loop.xlsm)

Properties - Module1

Module1 Module

Alphabetic Categorized

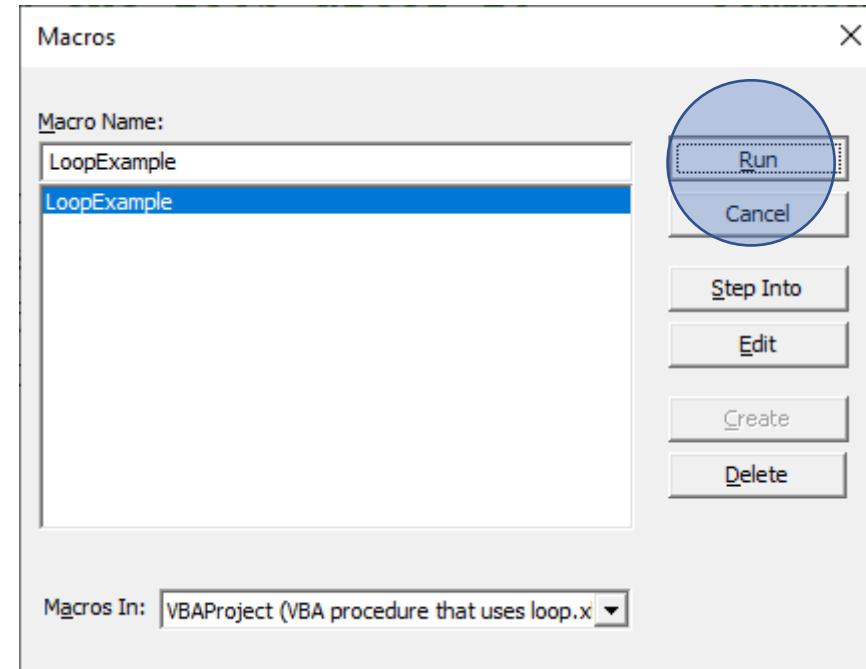
(Name) Module1

Immediate

VBA

Type here to search

26°C 7:00 PM 18-Aug-21



VBA procedure that uses loop.xlsxm - Excel

Mohammad Monjur-E-Elahi

Share

Developer

Record Macro

Use Relative References

Visual Basic Macros

Macro Security

Add-ins

Excel Add-ins

COM Add-ins

Insert Mode

Design Mode

Properties

View Code

Source

Map Properties

Import

Expansion Packs

Export

Refresh Data

XML

D9

A B C D E F G H I J K L M N O P Q R S T

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Sheet1

Change as the code runs

Microsoft Excel X

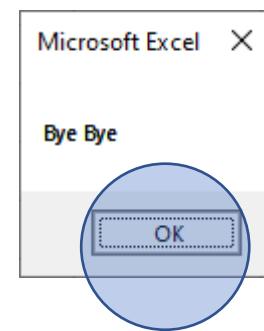
Bye Bye

OK

X VBA

Type here to search

7:01 PM 25°C 18-Aug-21



Basic for Applications - VBA procedure that uses loop.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 18, Col 1

Project - VBAProject

(General) LoopExample

```
Option Explicit

Sub LoopExample()
    ' Starts to fill cells A11:A25 with values of X' --- Comment
    ' This will exit from the loop after 25' --- Comment

    Dim X As Integer

    For X = 11 To 100
        Range("A" & X).Value = X
        If X = 25 Then
            MsgBox ("Bye Bye")
            Exit For
        End If
    Next X

End Sub
```

Properties - Module1

Module1 Module

Alphabetic Categorized

(Name) Module1

LIST

VBA



**Create a message box that displays number of
executions of one procedure**

Share

Developer

Insert Page Layout Formulas Data Review View PDF Architect 7 Creator Help

Record Macro Use Relative References Add-ins Excel COM Insert Design View Code Properties Source Map Properties Import Expansion Packs Export Refresh Data Run Dialog Controls XML

Visual Macros Basic Macro Security Code

D9

A B C D E F G H I J K L M N O P Q R S T

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Sheet1

VBA

File Home Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Record Macro Use Relative References Macro Security Code

Add-ins Excel COM Add-ins Add-ins Insert Design View Code Source Map Properties Import Expansion Packs Export Refresh Data Controls XML

Visual Basic (Alt+F11) Open the Visual Basic editor.

A B C D E F G H I J K L M N O P Q R S T

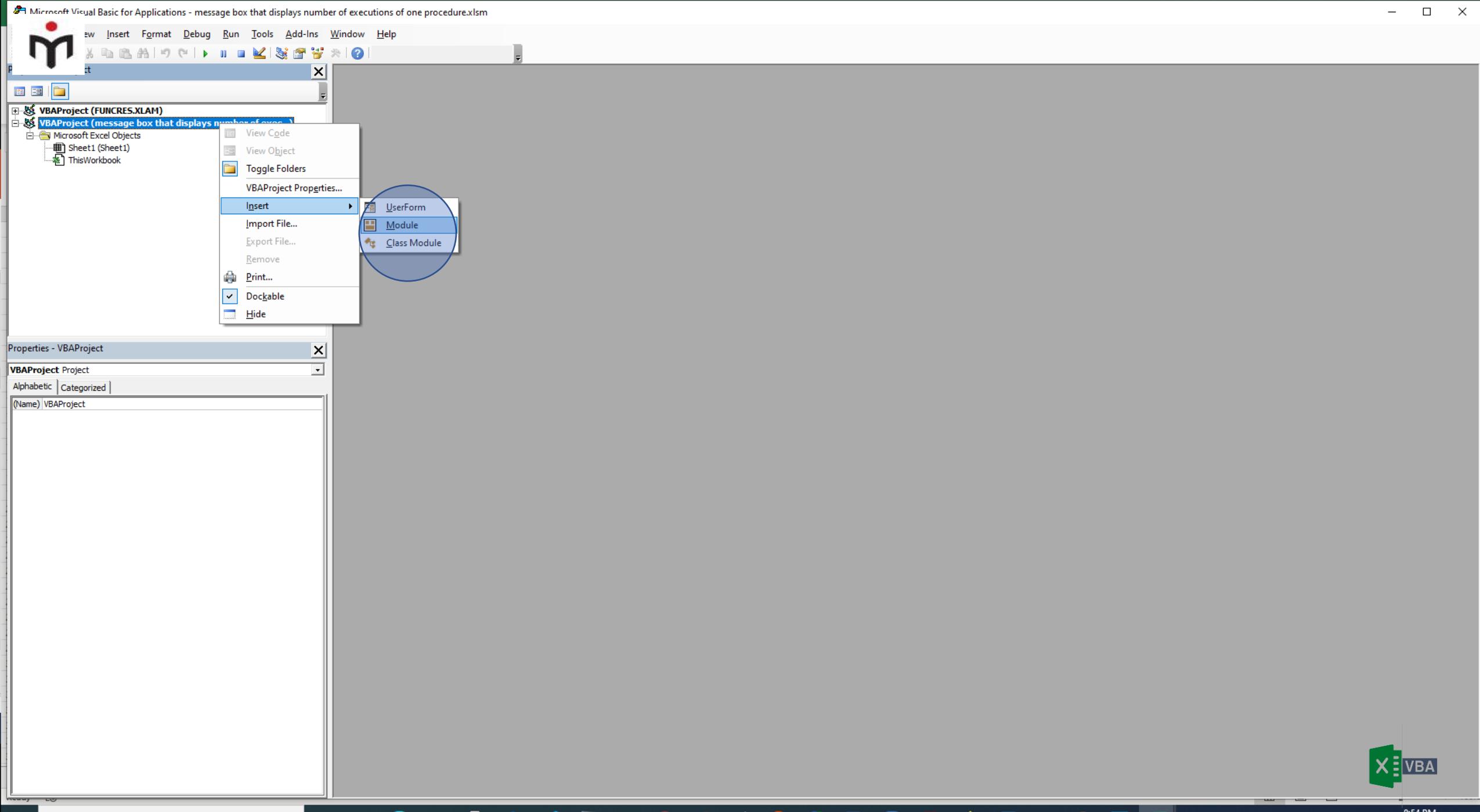
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Sheet1

VBA

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26°C 6:57 PM 18-Aug-21



Microsoft Basic for Applications - message box that displays number of executions of one procedure.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

(General) (Declarations)

Option Explicit

VBAProject (FUNCRES.XLAM)

VBAProject (message box that displays number of exec...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Modules

Module1

Properties - Module1

Module1 Module

Alphabetic | Categorized |

(Name) Module1

X VBA

Ln 3, Col 1

Basic for Applications - message box that displays number of executions of one procedure.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 10, Col 27

Project - VBAProject

VBAProject (FUNCRES.XLAM)
VBAProject (message box that displays number of exec...)

Microsoft Excel Objects
Sheet1 (Sheet1)
ThisWorkbook
Modules
Module1

Properties - Module1

Module1 Module

Alphabetic | Categorized

(Name) Module1

Option Explicit

```
Sub NumberOfExecution()
    Static Counter As Integer
    Dim result
    Counter = Counter + 1
    result = MsgBox("Number of executions: " & Counter & vbCrLf & "Do you want to continue?", _
    vbYesNo + vbQuestion + vbDefaultButton1, "Counter")
    If result = vbYes Then
        Call NumberOfExecution
    Else:
        MsgBox "Goodbye"
    End
    End If
End Sub
```

Static causes the Counter value to persist

X VBA

The screenshot shows the Microsoft VBA Editor interface. The title bar reads "Excel Basic for Applications - message box that displays number of executions of one procedure.xlsm - [Module1 (Code)]". The menu bar includes View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. The toolbar has icons for Save, Open, Run, Stop, Break, and others. The status bar at the bottom left says "Ln 16, Col 1".

The Project Explorer on the left shows "VBAProject (FUNCRES.XLAM)" and "VBAProject (message box that displays number of exec...)" with "Module1" selected. The Properties window on the left is titled "Properties - Module1" and shows "Module1 Module" under "Alphabetic | Categorized |".

The code editor window contains the following VBA code:

```
Option Explicit

Sub NumberOfExecution()
    Static Counter As Integer
    Dim result
    Counter = Counter + 1
    result = MsgBox("Number of executions: " & Counter & vbCrLf & "Do you want to continue?", _
    vbYesNo + vbQuestion + vbDefaultButton1, "Counter")
    If result = vbYes Then
        Call NumberOfExecution
    Else:
        MsgBox "Goodbye"
    End
    End If
End Sub
```

A blue oval highlights the "Run Sub/Userform (F5)" button in the toolbar. A green "X" icon with the word "VBA" is located in the bottom right corner.

Microsoft Visual Basic for Applications - message box that displays number of executions of one procedure.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 16, Col 1

(General) NumberOfExecution

Option Explicit

```
Sub NumberOfExecution()
    Static Counter As Integer
    Dim result
    Counter = Counter + 1
    result = MsgBox("Hello", vbYesNo + vbQuestion)
    If result = vbYes Then
        Call NumberOfExecution
    Else:
        MsgBox "Goodbye"
    End If
End Sub
```

Macro Name: NumberOfExecution
NumberOfExecution

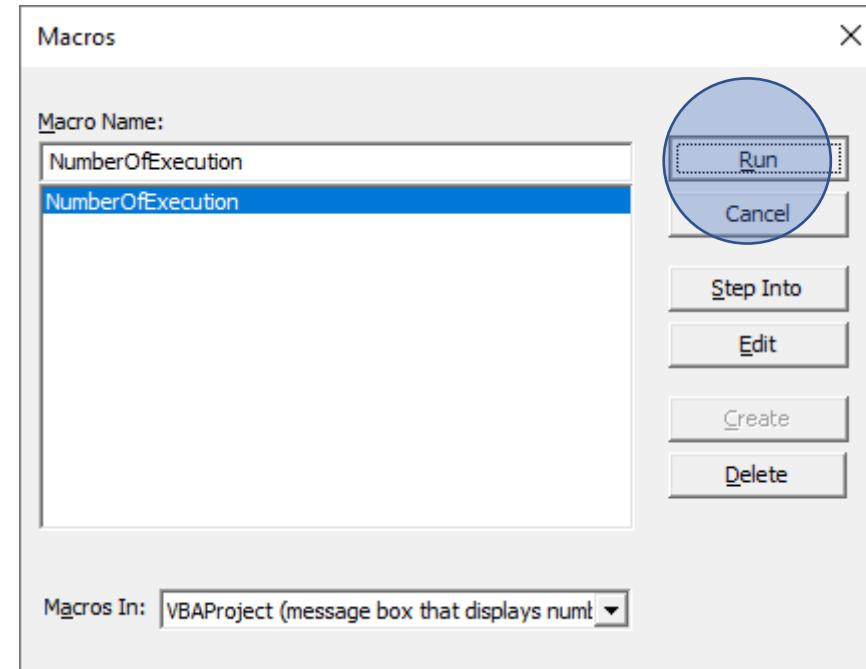
Run Cancel Step Into Edit Create Delete

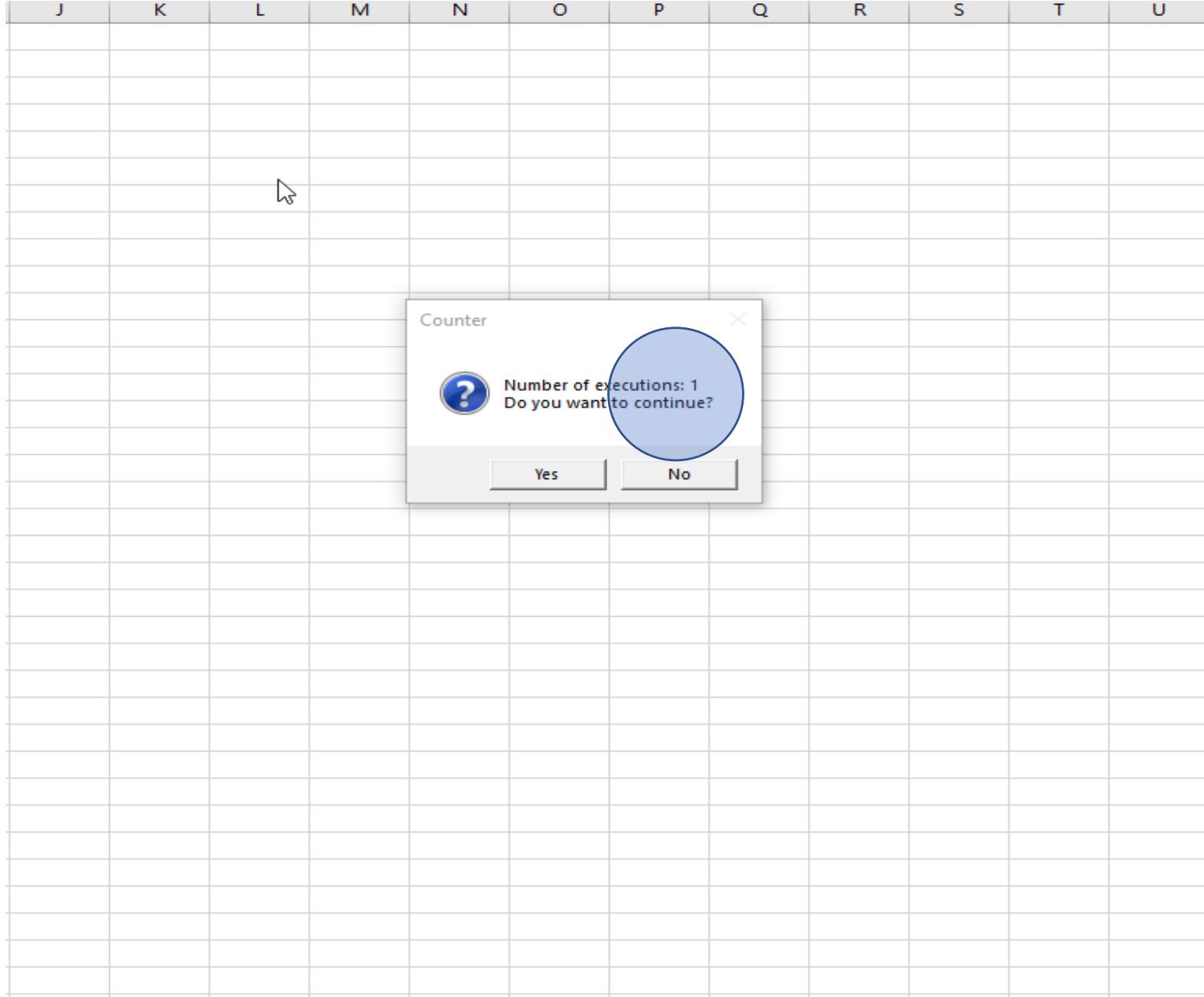
Macros In: VBAProject (message box that displays num

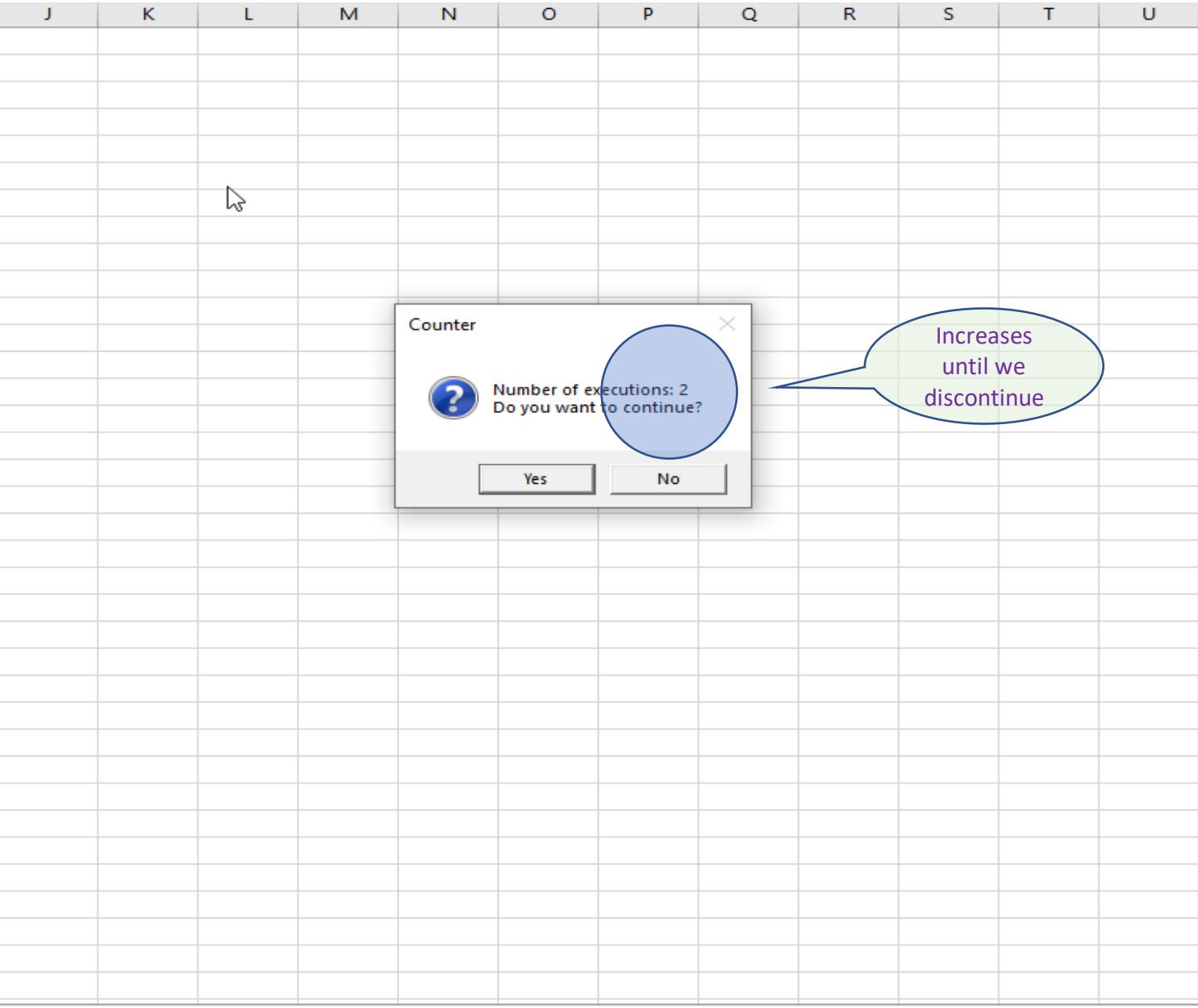
VBA

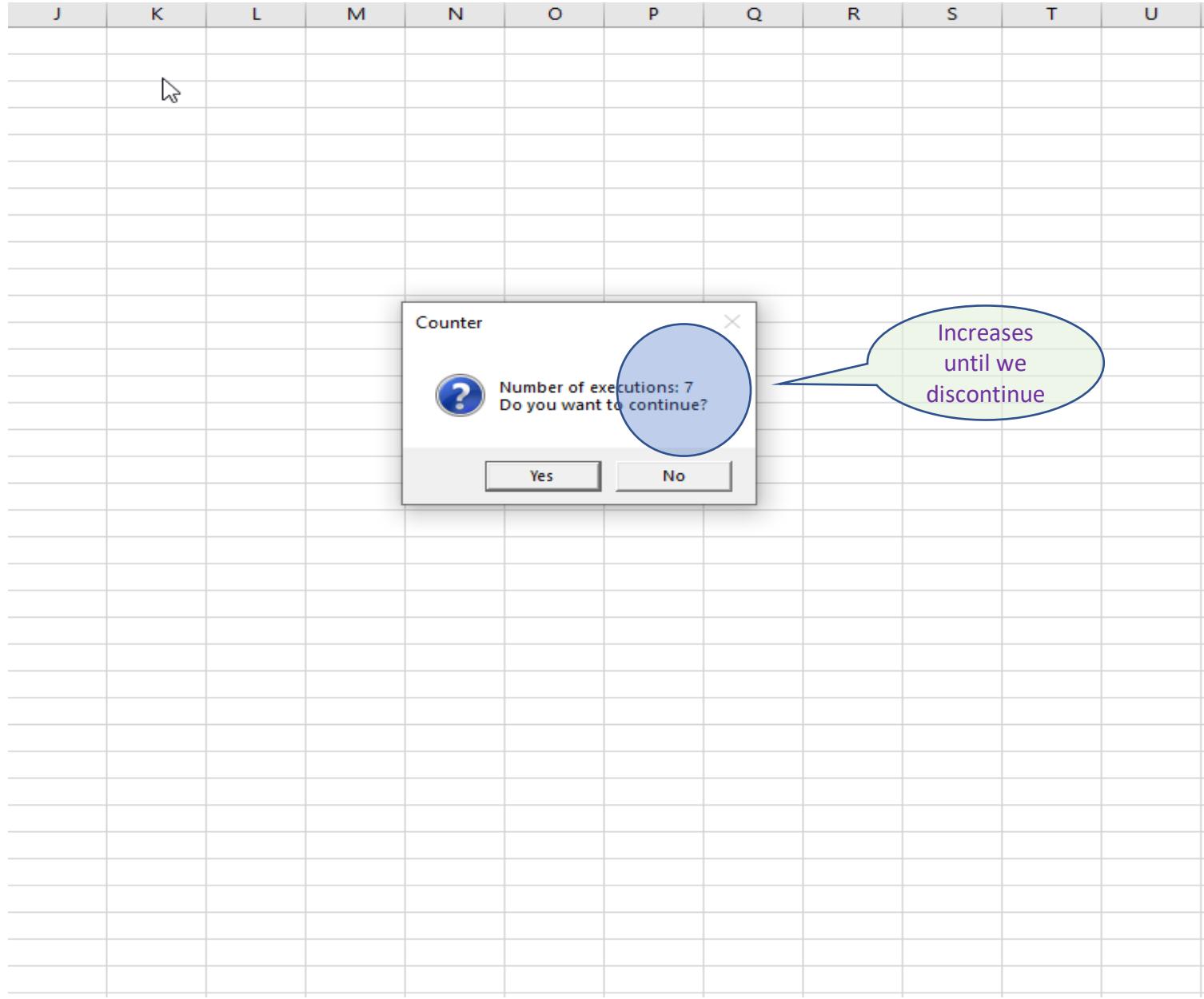
Type here to search

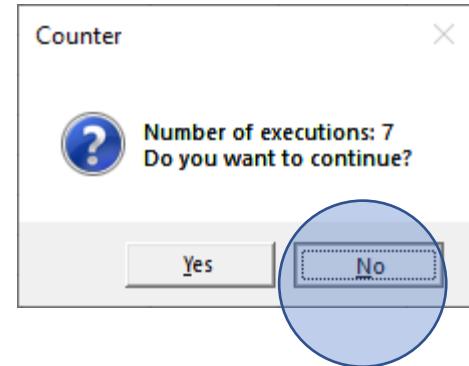
23°C 9:11 PM 17-Aug-21

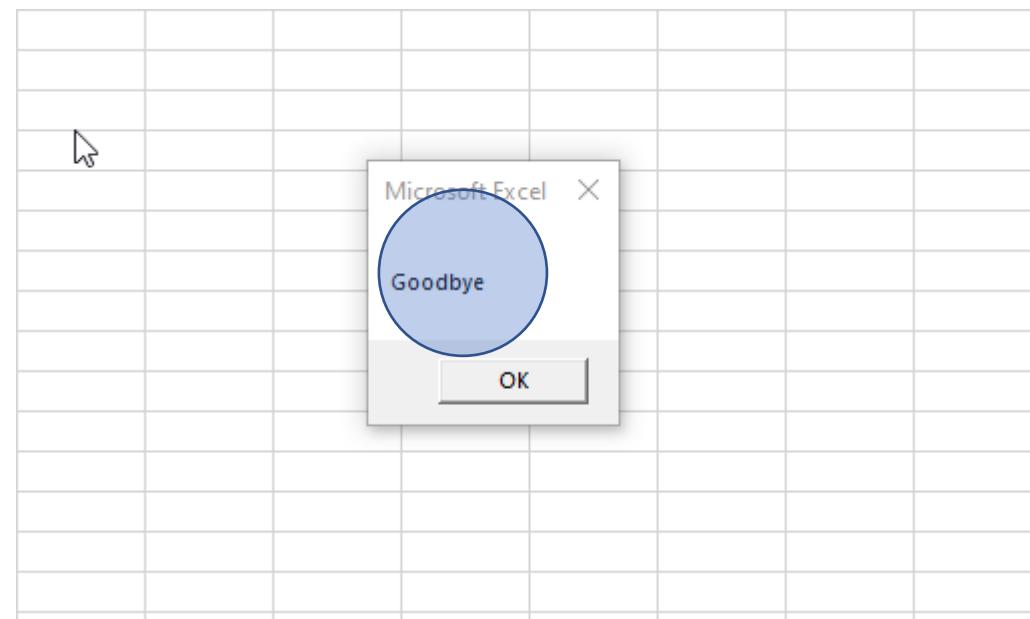


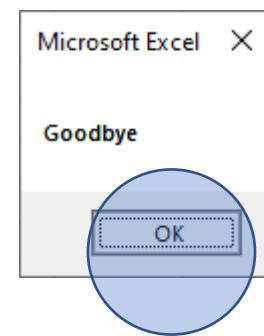












Microsoft Basic for Applications - message box that displays number of executions of one procedure.xlsm - [Module1 (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

(General) NumberOfExecution

```
Option Explicit

Sub NumberOfExecution()
    Static Counter As Integer
    Dim result
    Counter = Counter + 1
    result = MsgBox("Number of executions: " & Counter & vbCrLf & "Do you want to continue?", _
    vbYesNo + vbQuestion + vbDefaultButton1, "Counter")
    If result = vbYes Then
        Call NumberOfExecution
    Else:
        MsgBox "Goodbye"
    End
    End If
End Sub
```

Properties - Module1

Module1 Module

Alphabetic | Categorized |

(Name) Module1

LIST

VBA



**Creating a user Form that has two text boxes
and a button to calculate sum and show it in a
message box**



Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator
Record Macro Use Relative References Macro Security
Visual Macros Basic Add-ins Excel COM Add-ins Add-ins Code



Add-ins Insert Design Mode Run Dialog Controls XML
Add-ins Add-ins Add-ins Add-ins

A1

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Sheet1



File Home Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do Share

Record Macro Use Relative References Macro Security Code

Add-ins Excel COM Add-ins Add-ins Insert Design View Code Source Map Properties Import Expansion Packs Export Refresh Data Controls XML

Visual Basic (Alt+F11) Open the Visual Basic editor.

A B C D E F G H I J K L M N O P Q R S T

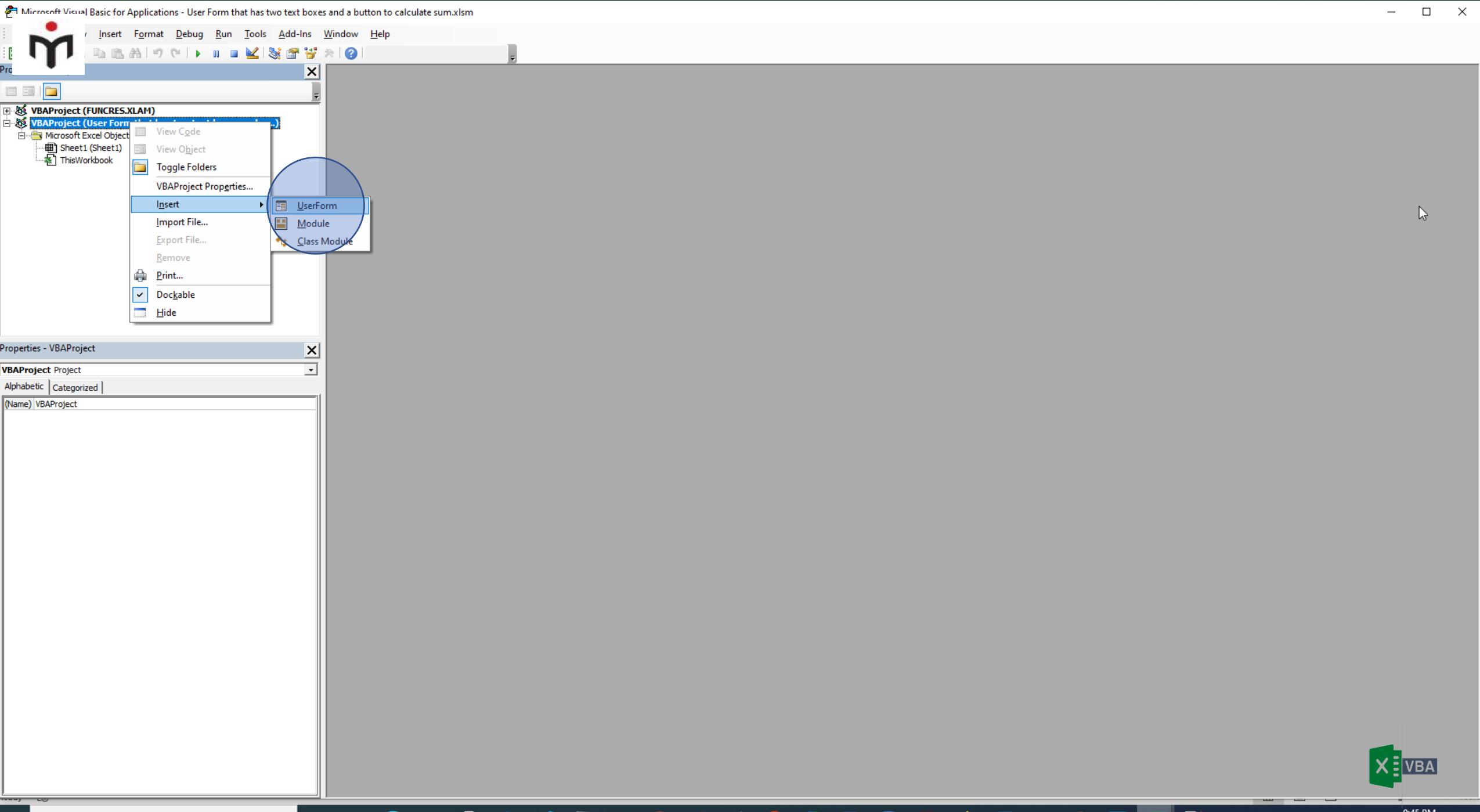
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Sheet1

VBA

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26°C 6:57 PM 18-Aug-21



Microsoft Basic for Applications - User Form that has two text boxes and a button to calculate sum.xlsxm - [UserForm1 (UserForm)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM) VBAProject (User Form that has two text boxes and a button to calculate sum.xlsxm)

Forms UserForm1

Toolbox

UserForm1

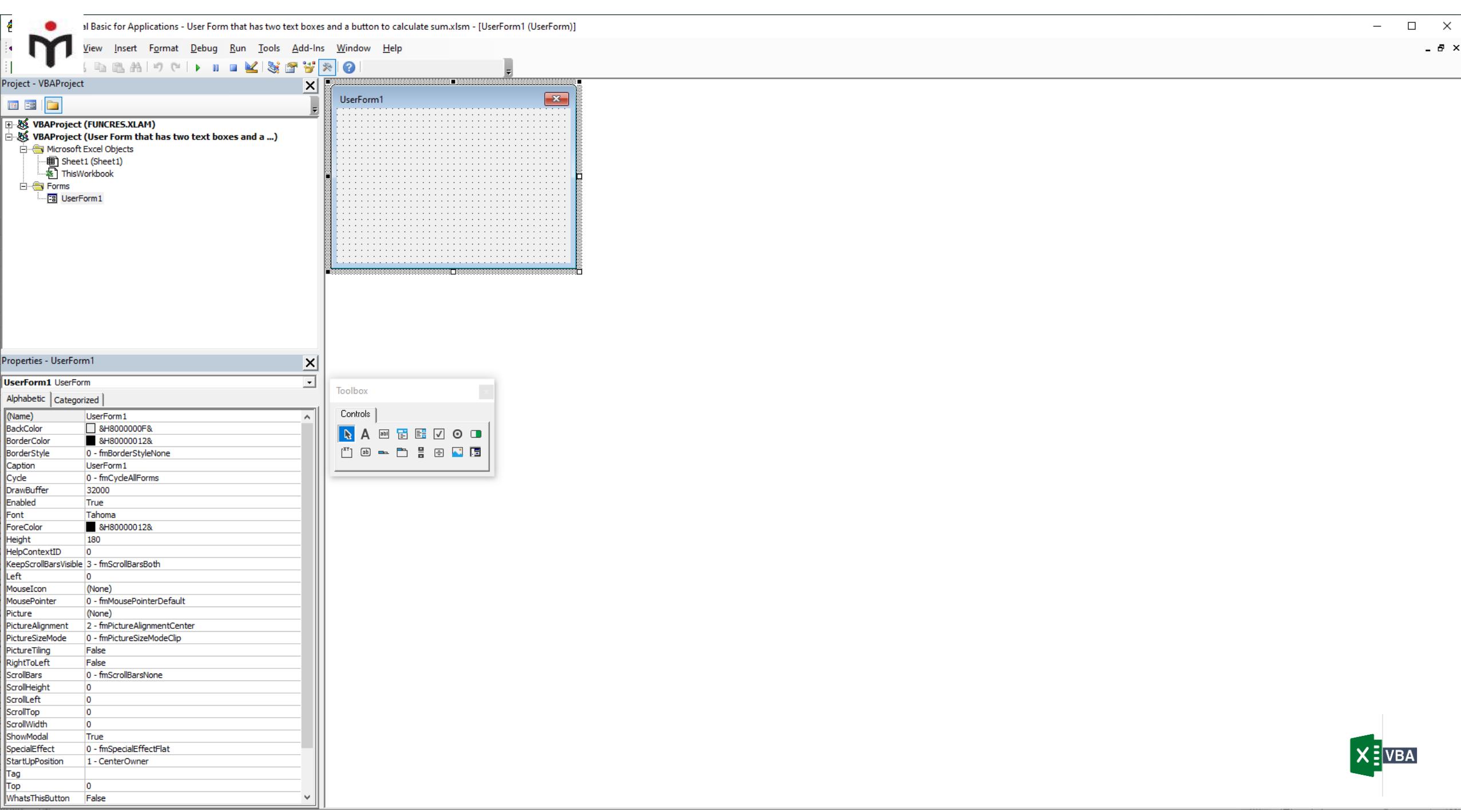
Properties - UserForm1

UserForm1 UserForm

Alphabetic Categorized

(Name)	UserForm1
BackColor	□ &H8000000F&
BorderColor	■ &H80000012&
BorderStyle	0 - fmBorderStyleNone
Caption	UserForm1
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	■ &H80000012&
Height	180
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat
StartUpPosition	1 - CenterOwner
Tag	
Top	0
WhatsThisButton	False

X VBA





Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Visual Basic for Applications - User Form that has two text boxes and a button to calculate sum.xlsxm - [UserForm1 (UserForm)]

File Edit View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAPrj

VBAProject (FUNCRES.XLAM)
VBAProject (User Form that has two text boxes and a ...)

- Microsoft Excel Objects
 - Sheet1 (Sheet1)
 - ThisWorkbook
- Forms
 - UserForm1

AdditionForm

First Number
Second Number

ADD Clear Cancel

Controls added

Properties - UserForm1

UserForm1 UserForm

Alphabetic Categorized

(Name)	UserForm1
BackColor	0&H000000F&
BorderColor	0&H00000012&
BorderStyle	0 - fmBorderStyleNone
Caption	AdditionForm
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	0&H00000012&
Height	180
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat

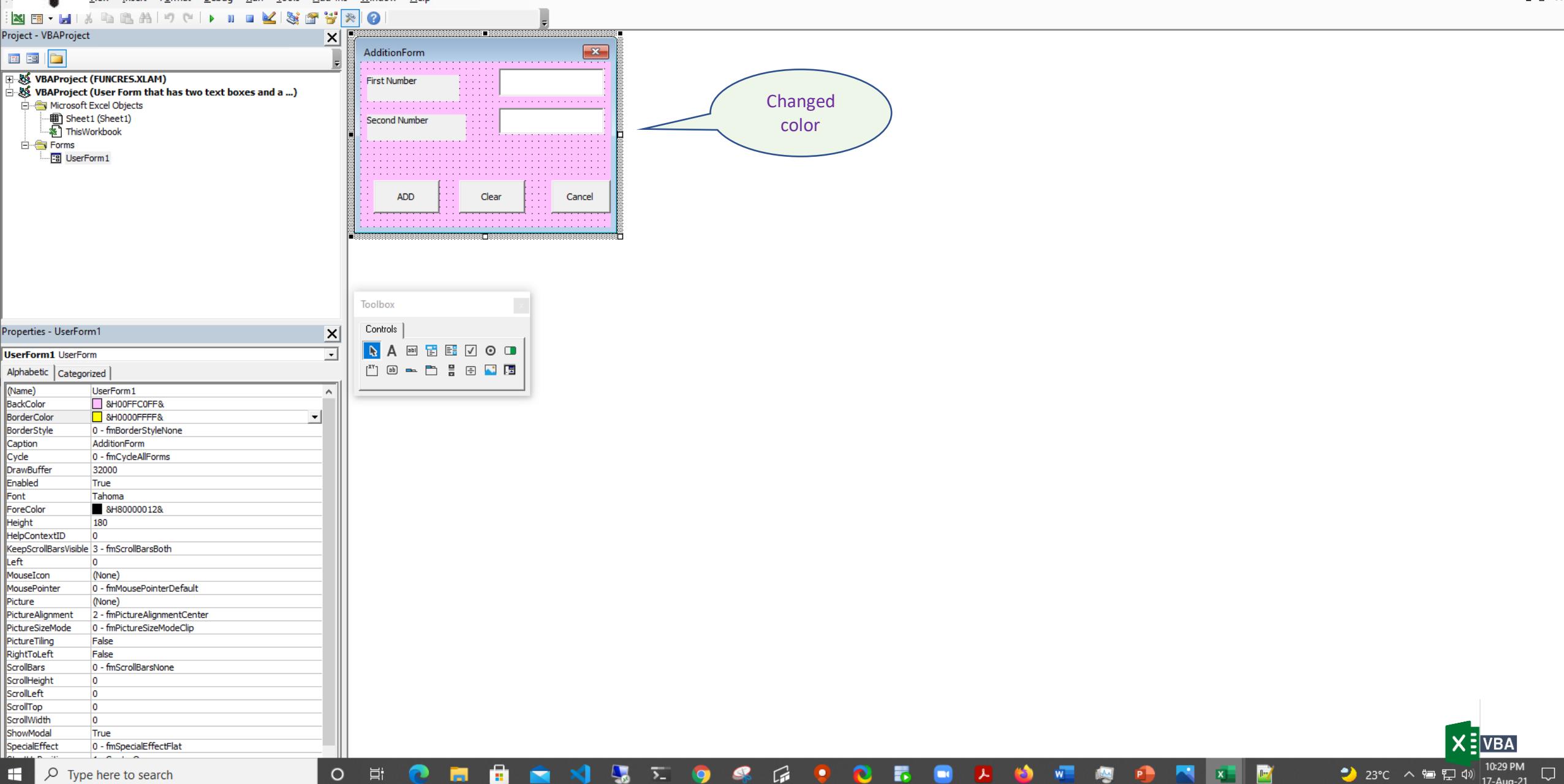
Properties - UserForm1

Controls

X VBA

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10:21 PM 17-Aug-21 23°C



Introduction to Query, Expressions, Conditions and Operators - Adobe Acrobat Reader DC (32-bit)

File Home Insert Page Layout Review View Help

Excel VBA Program... Mastering VBA for ... Excel 2019 Power P... Programming Excel... Introduction to Qu... X

Basic for Applications - User Form that has two text boxes and a button to calculate sum.xlsm - [UserForm1 (UserForm)]

File Edit View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (UserForm)

- Microsoft Excel Objects
- Sheet1 (Sheet1)
- ThisWorkbook
- Forms
- UserForm1

View Code

View Object

Toggle Folders

VBAProject Properties...

Insert

- UserForm
- Module
- Class Module

Import File...

Export File...

Remove

Print...

Dockable

Hide

AdditionForm

First Number

Second Number

ADD Clear Cancel

Properties - VBAProject

VBAProject Project

Alphabetic Categorized

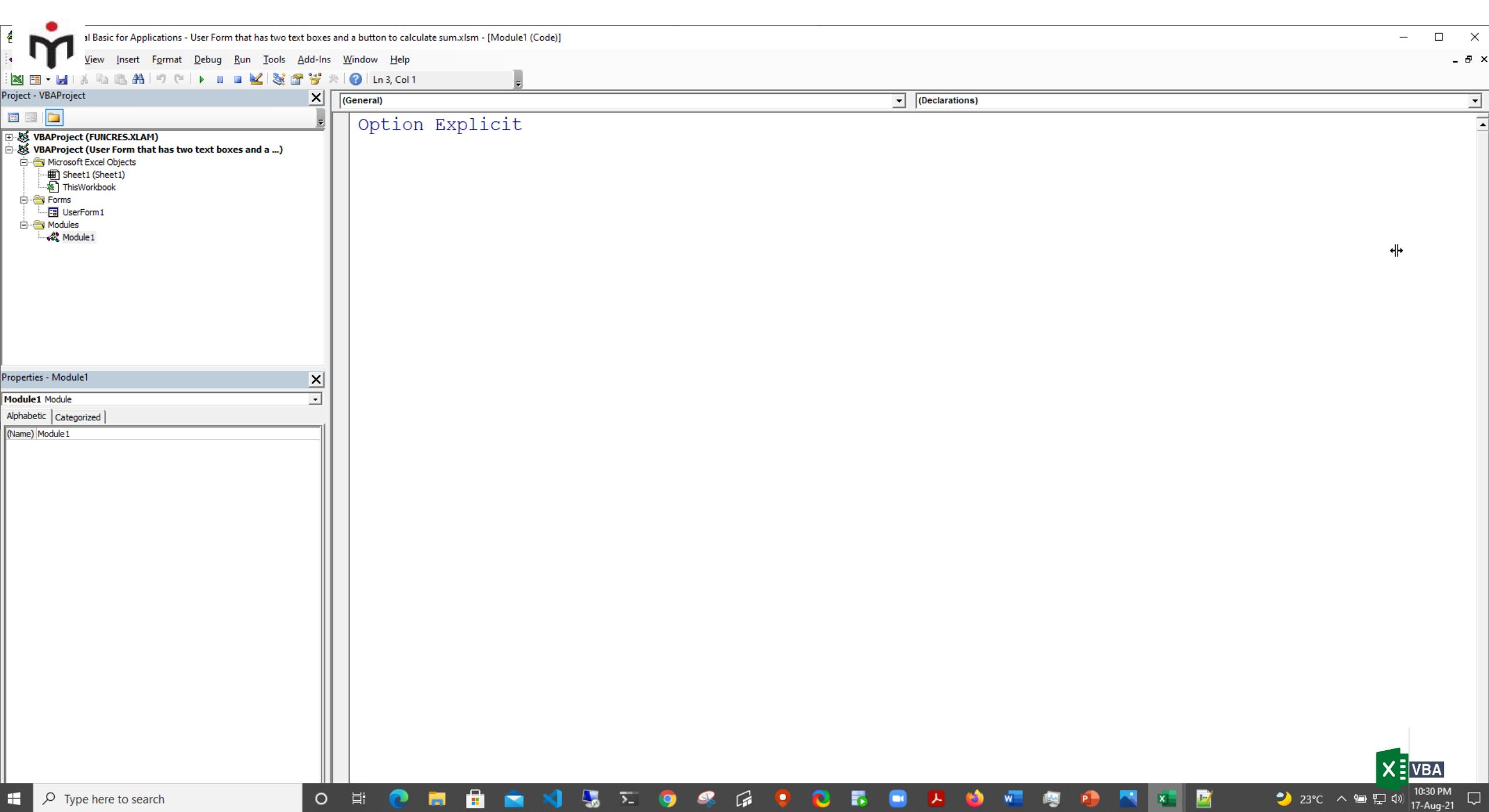
(Name) VBAProject

Module inserted for the macro

VBA

Type here to search

23°C 10:29 PM 17-Aug-21



Microsoft Basic for Applications - User Form that has two text boxes and a button to calculate sum.xlsxm - [AdditionForm (UserForm)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)
VBAProject (User Form that has two text boxes and a ...)

Microsoft Excel Objects
Sheet1 (Sheet1)
ThisWorkbook

Forms
AdditionForm

Modules
Module1

AdditionForm

First Number

Second Number

ADD Clear Cancel

Properties - AdditionForm

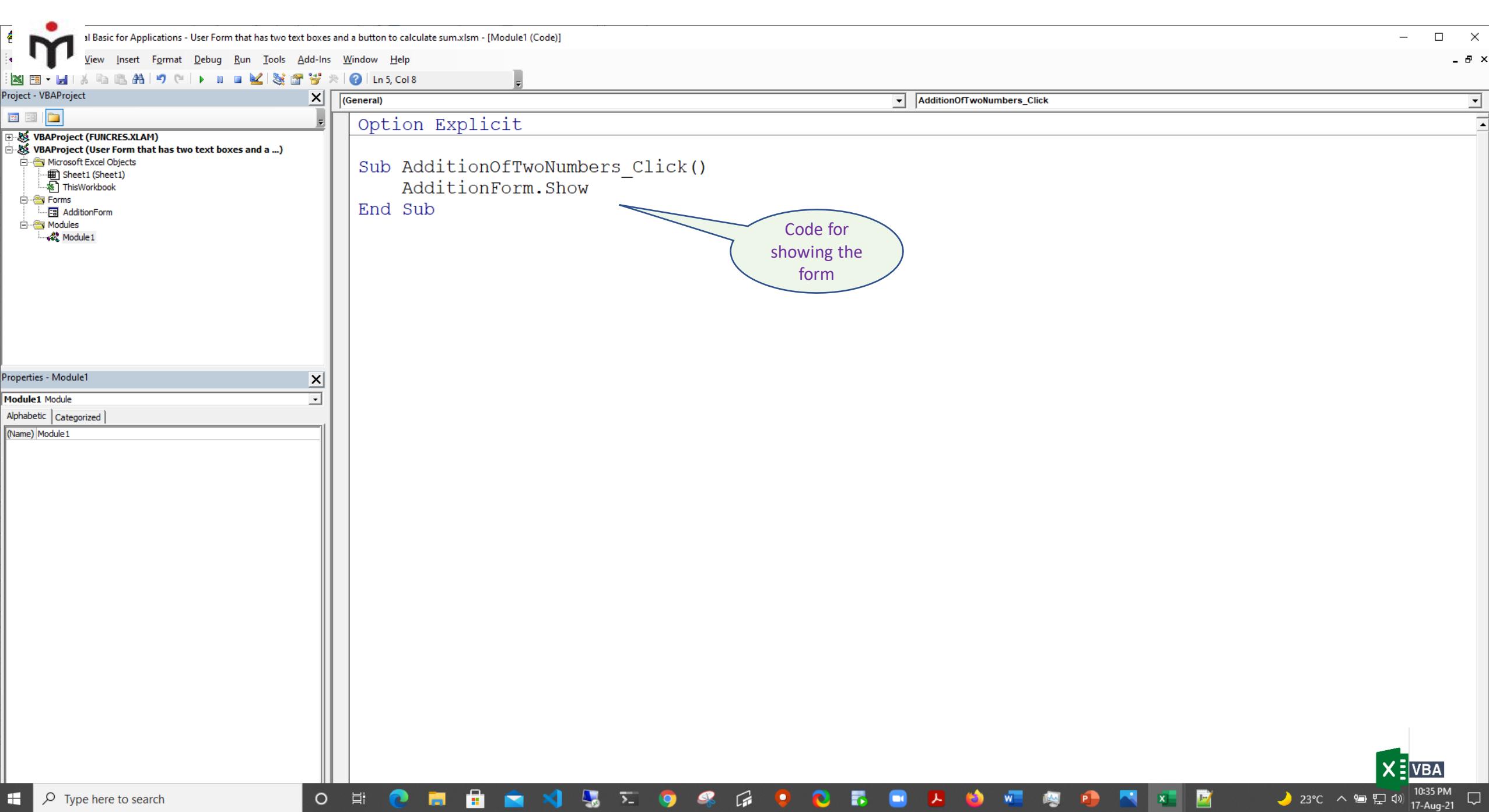
AdditionForm UserForm

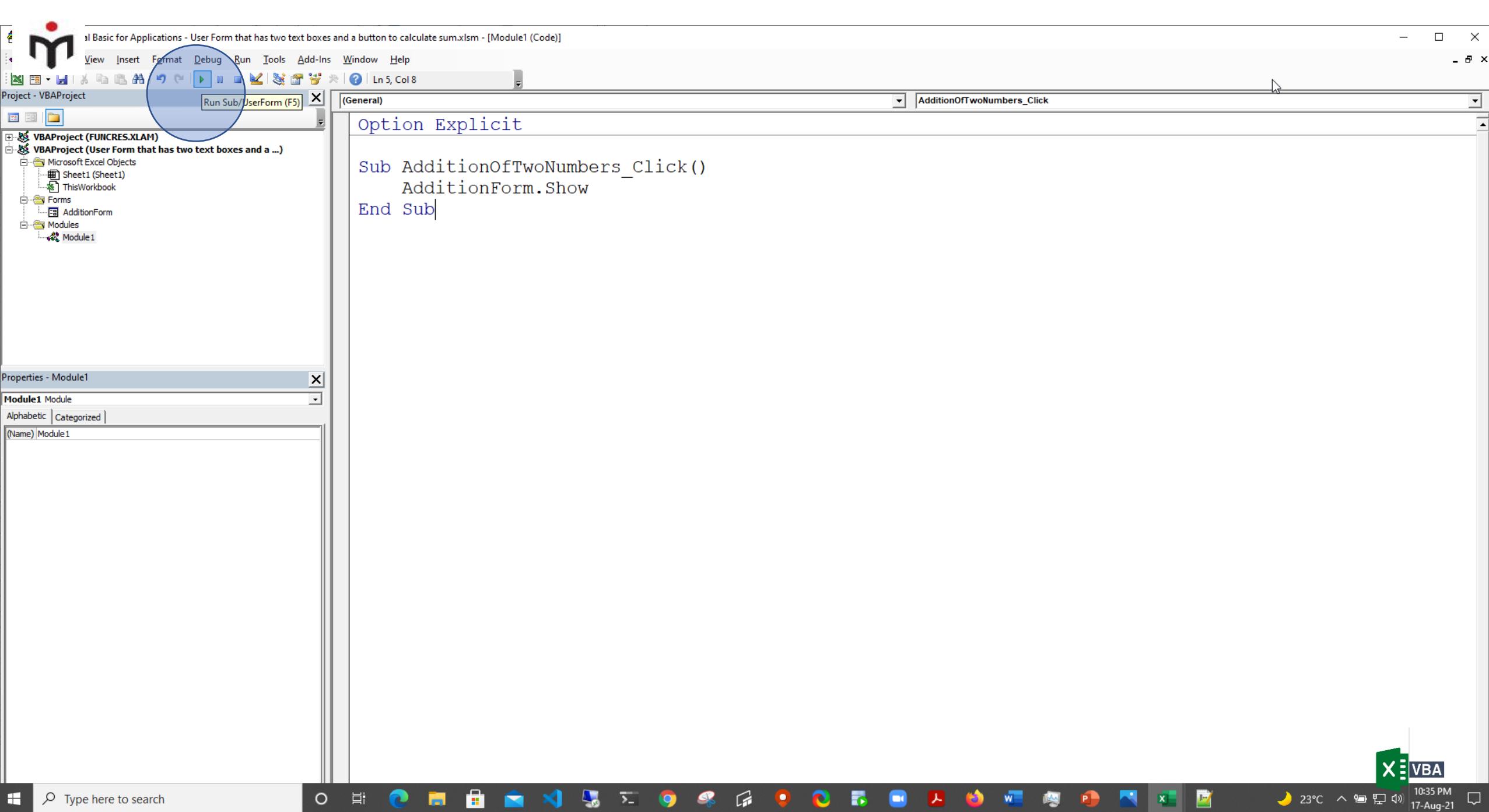
Alphabetic Categorized

(Name)	AdditionForm
BackColor	&H00FFCOFF&
BorderColor	&H0000FFFF&
BorderStyle	0 - fmBorderStyleNone
Caption	AdditionForm
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	180
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat

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X VBA







A1



Form is displayed but codes not added for addition yet

AdditionForm

First Number

Second Number

ADD Clear Cancel



Sheet1

Ready

Type here to search

10:37 PM
23°C
17-Aug-21



Share



Insert Page Layout

Formulas Data

Review View Developer Help PDF Architect 7 Creator

Tell me what you want to do

Record Macro

Use Relative References

Macro Security

Code

Add-ins

Excel COM

Add-ins Add-ins

Add-ins

Insert

Design Mode

Run Dialog

Properties

Map Properties Import

Source

Expansion Packs Export

Refresh Data

XML

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Sheet1

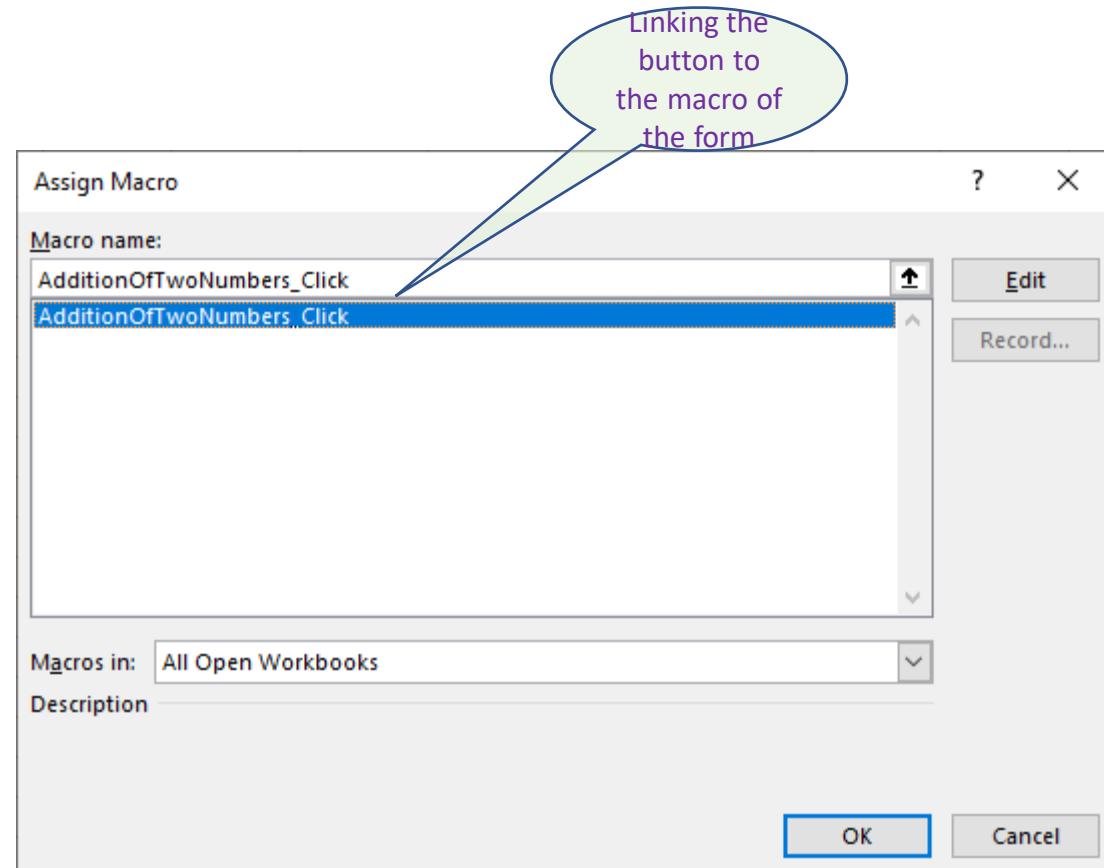


Ready



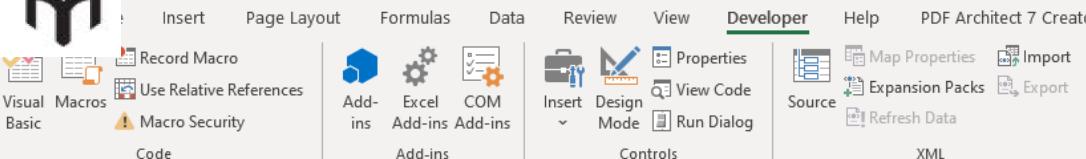
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23°C
17-Aug-21





Share



D11

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X

✓

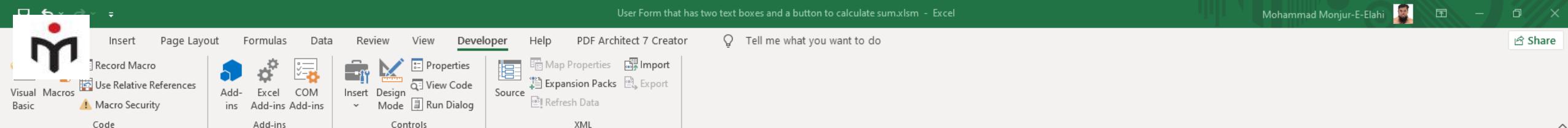
fx

Addition Of Two Numbers

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
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Sheet1





The screenshot shows the Microsoft Excel ribbon with the 'Developer' tab selected. The ribbon includes tabs for Insert, Page Layout, Formulas, Data, Review, View, Developer, Help, and PDF Architect 7 Creator. Under the Developer tab, there are sections for Visual Basic Macros, Record Macro, Use Relative References, Add-ins, Excel Add-ins, COM Add-ins, Insert Mode, Design Mode, Run Dialog, Source, Map Properties, Import, Expansion Packs, Export, Refresh Data, and XML.

D11

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

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4 Addition Of Two Numbers

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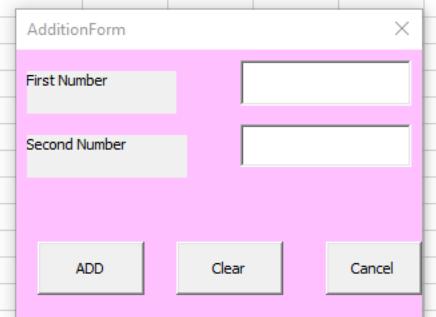
36

AdditionForm

First Number

Second Number

ADD Clear Cancel



Sheet1

VBA

Microsoft Basic for Applications - User Form that has two text boxes and a button to calculate sum.xlsxm - [AdditionForm (Code)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (User Form that has two text boxes and a ...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Forms

- AdditionForm

Modules

- Module1

(General) (Declarations)

```
Option Explicit

Private Sub UserForm_Initialize()

End Sub
```

Properties - AdditionForm

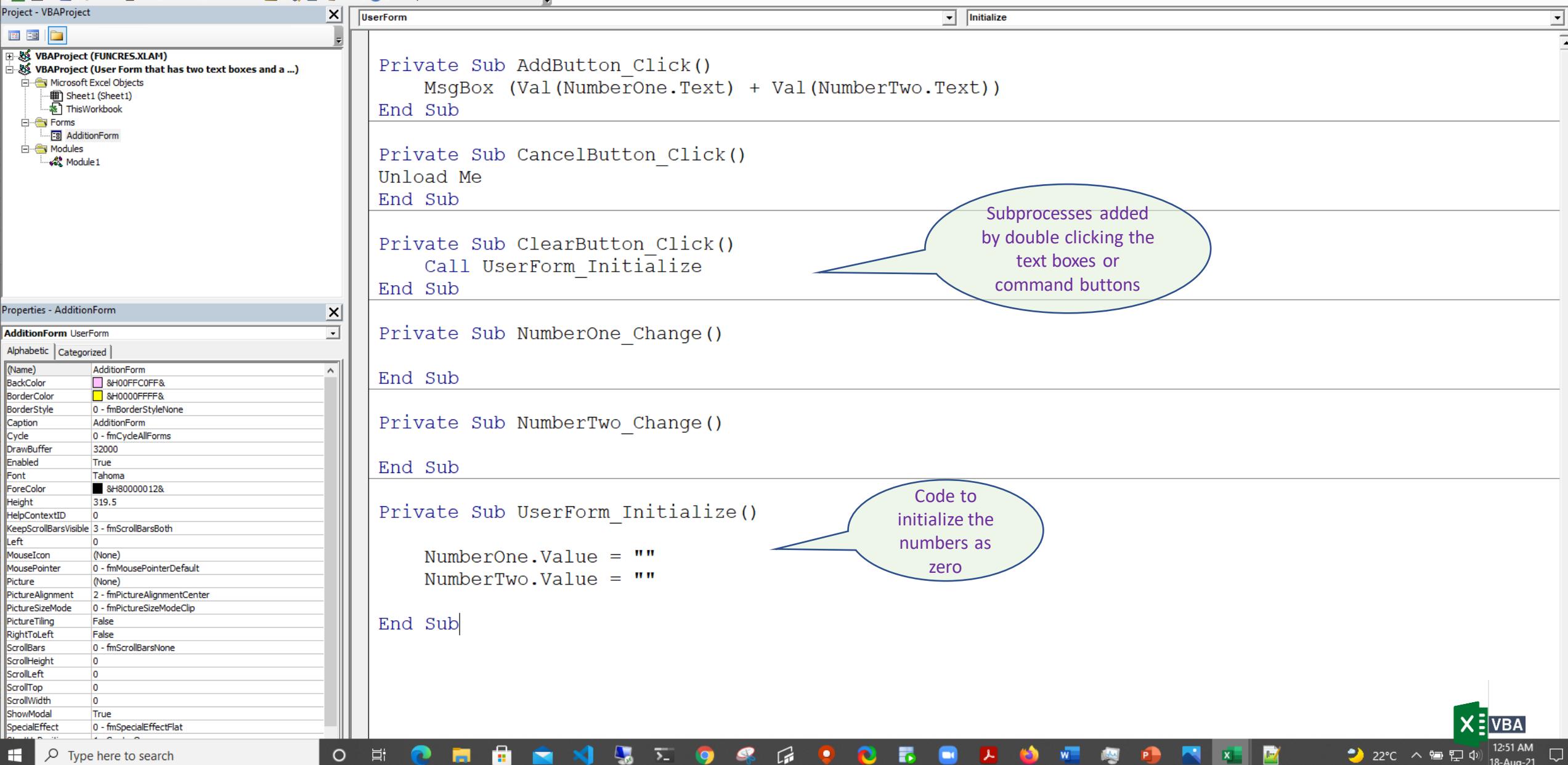
AdditionForm UserForm

Alphabetic Categorized

(Name)	Value
AdditionForm	
BackColor	&H00FFCOFF&
BorderColor	&H0000FFFF&
BorderStyle	0 - fmBorderStyleNone
Caption	AdditionForm
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	180
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat

10:45 PM 23°C 17-Aug-21

X VBA

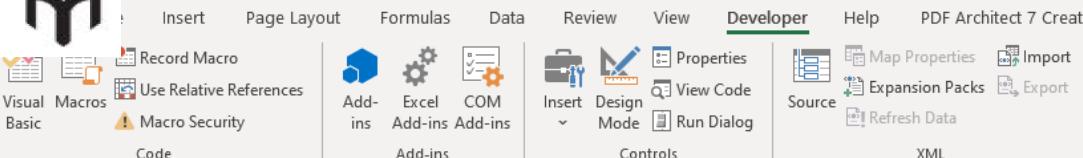


Subprocesses added by double clicking the text boxes or command buttons

Code to
initialize the
numbers as
zero



Share



D11

:

X

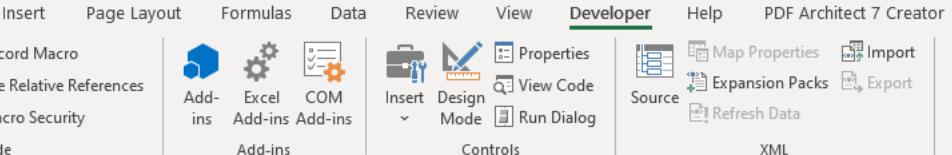
✓

fx

Addition Of Two Numbers

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

1
2
3
4
5
6
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35
36



Tell me what you want to do

D11



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC

Addition Of Two Numbers

First Number

Second Number

ADD Clear Cancel



Sheet1

Ready

Type here to search



12:53 AM

18-Aug-21

22°C

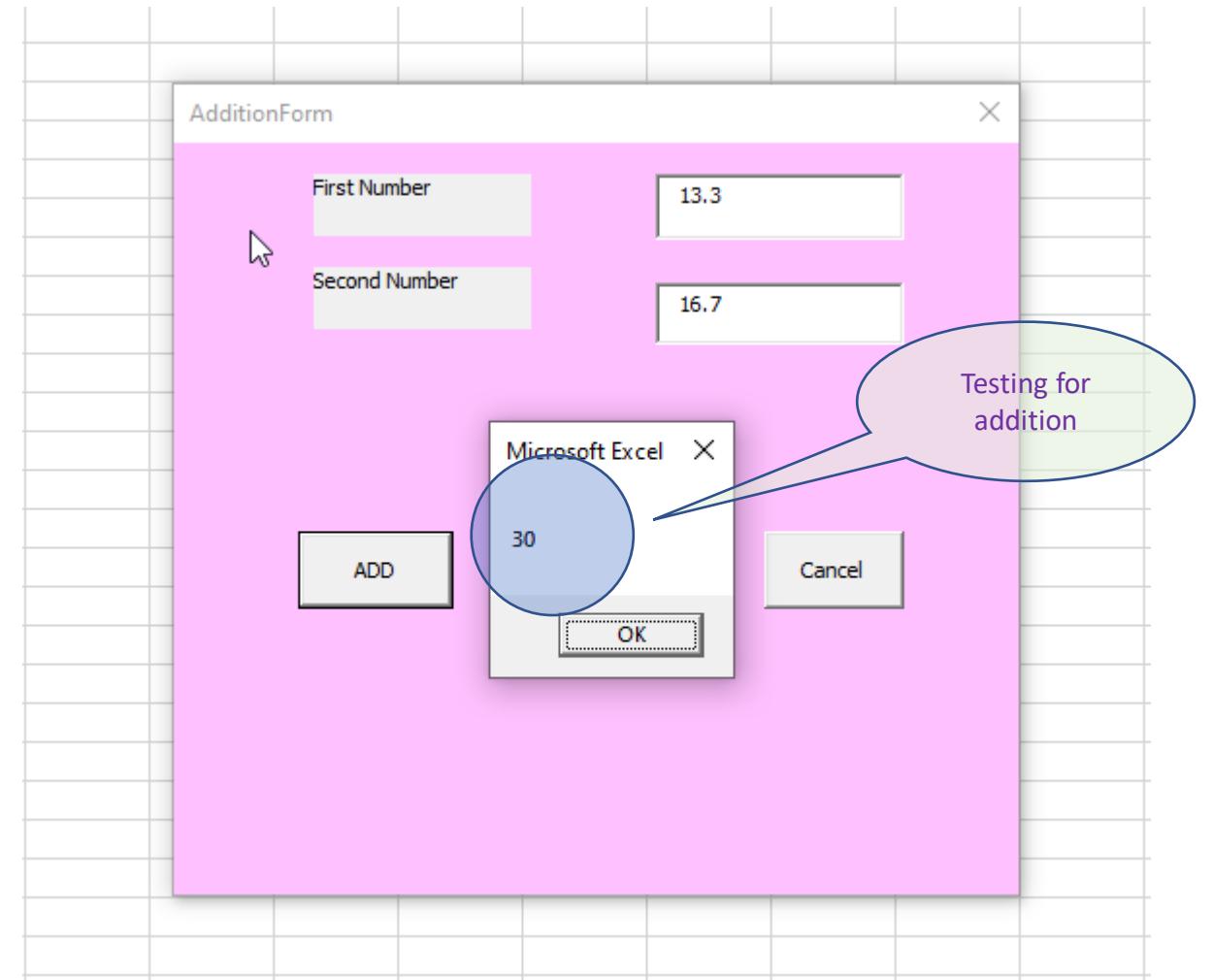


AdditionForm

First Number
13.3

Second Number
16.7

ADD Clear Cancel





AdditionForm

X

First Number	13.3
Second Number	16.7

ADD Clear Cancel

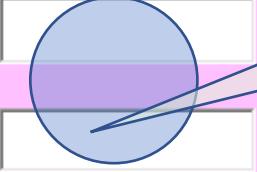


AdditionForm

X

First Number	
Second Number	

ADD Clear Cancel



Testing for clearing fields





AdditionForm

First Number

Second Number

ADD

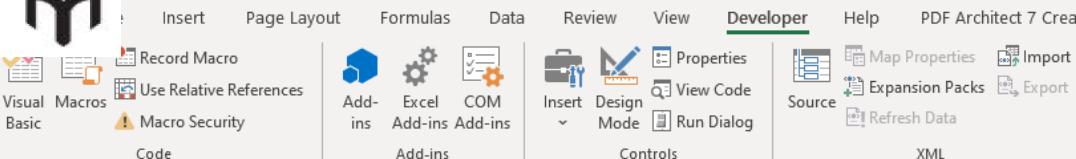
Clear

Cancel





Share



C7	:	X	✓	f(x)	
----	---	---	---	------	--

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
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LIST



100%



Creating a User Form in Excel VBA to get name, date of birth , gender, telephone number, email , and postal code from the user and store the value provided by the user in the worksheet

LIST



File Home Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Record Macro Use Relative References Macro Security Code

Add-ins Excel COM Add-ins Add-ins Insert Design View Code Source Map Properties Import Expansion Packs Export Refresh Data Controls XML

Visual Basic (Alt+F11) Open the Visual Basic editor.

A B C D E F G H I J K L M N O P Q R S T

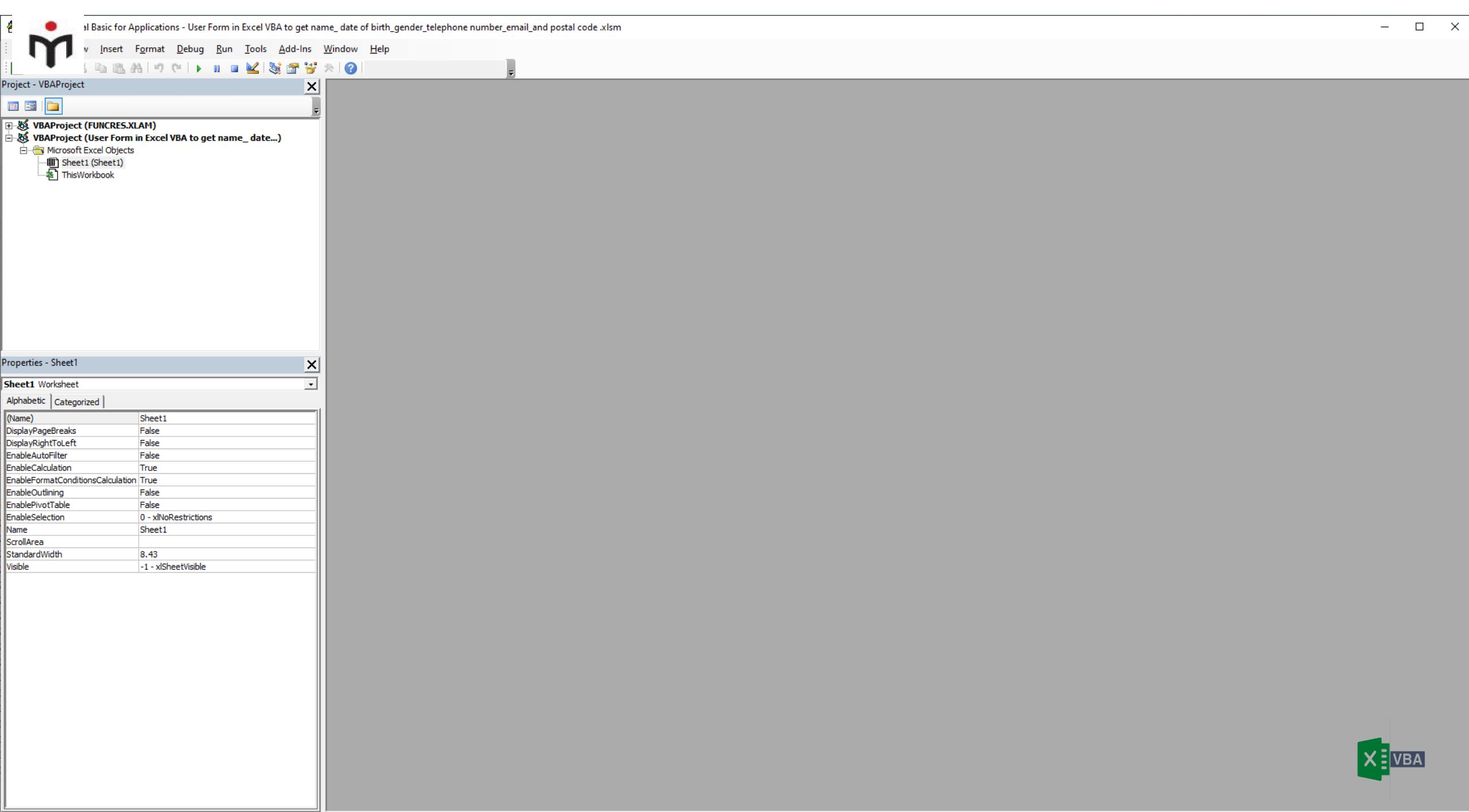
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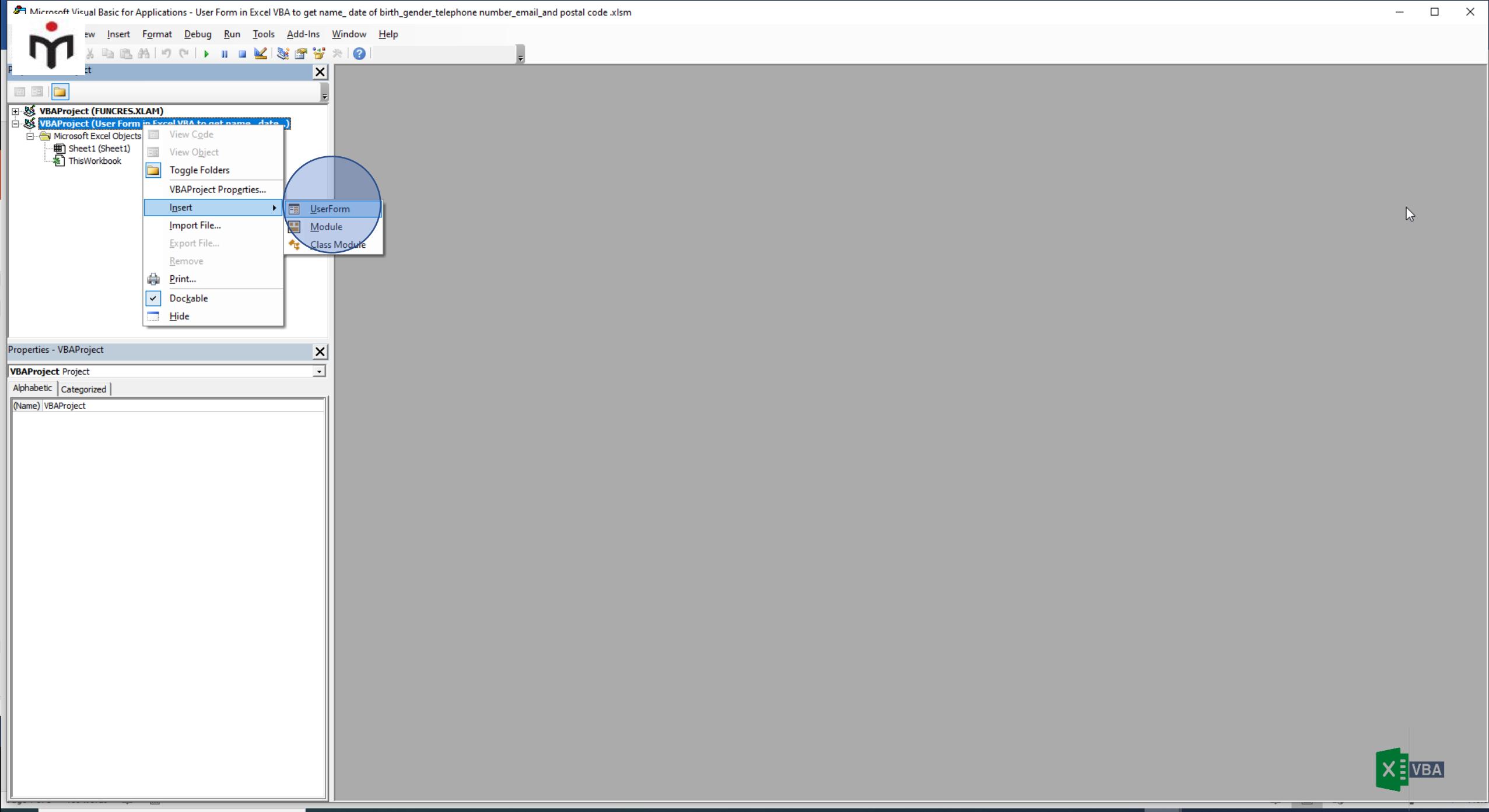
Sheet1

VBA

Type here to search

26°C 6:57 PM 18-Aug-21





Microsoft Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code .xlsm - [User Form i]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)
VBAProject (User Form in Excel VBA to get name_date...)
Microsoft Excel Objects
Sheet1 (Sheet1)
ThisWorkbook
Forms
UserFormParticulars

UserForm1

First Name
Last Name
Date of Birth
Gender
Email Address
Phone Number
Postal Code

Insert Clear Cancel

Properties - UserFormParticulars

UserFormParticulars UserForm

Alphabetic Categorized

(Name)	UserFormParticulars
BackColor	&H00C0E0FF&
BorderColor	&H8000000B&
BorderStyle	0 - fmBorderStyleNone
Caption	UserForm1
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	366
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat
StartUpPosition	1 - CenterOwner
Tag	
Top	0
WhatsThisButton	False

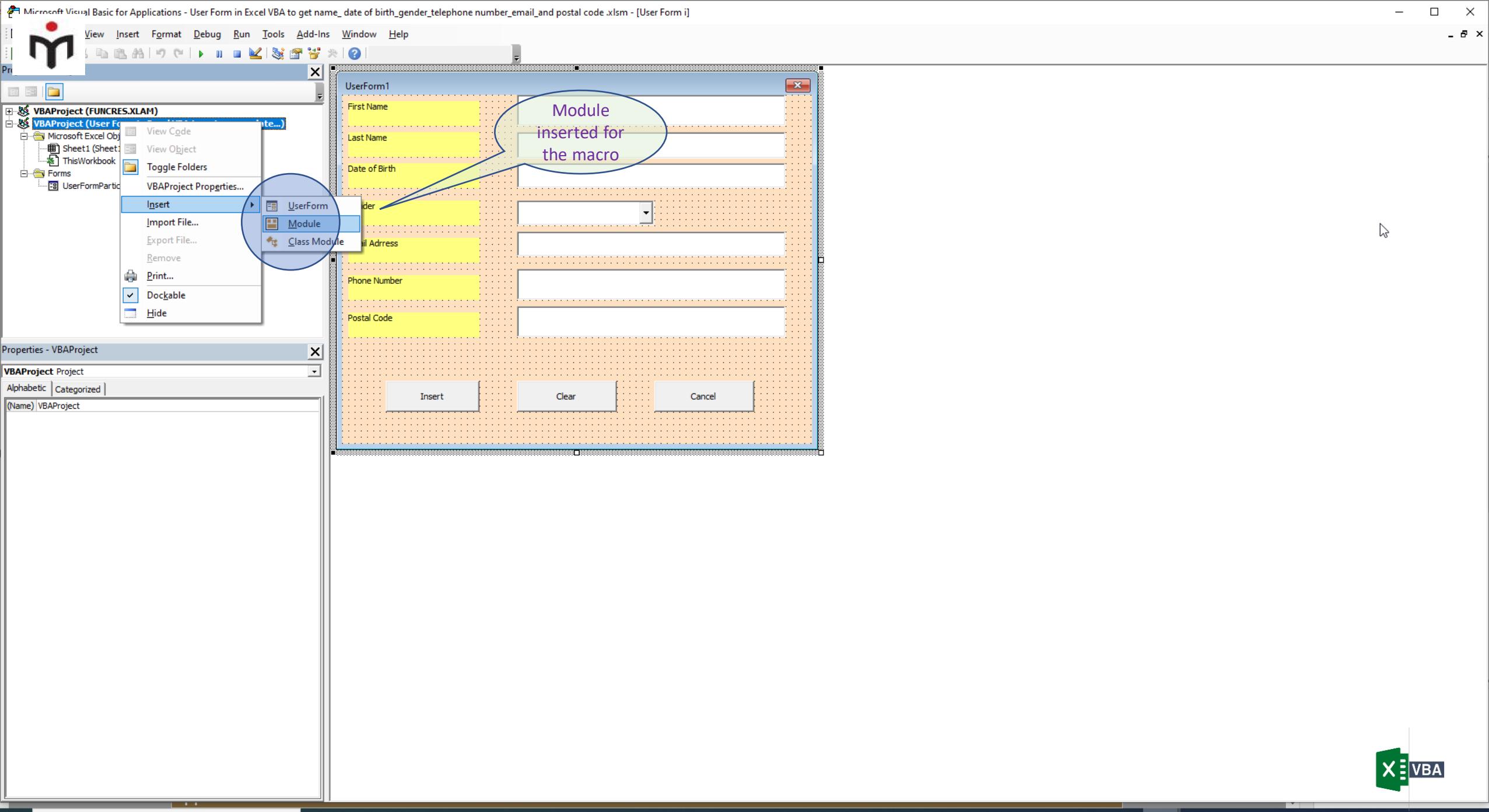
Controls

Insert Clear Cancel

Toolbox

X VBA

Controls added, shaped and positioned



Microsoft Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code .xlsm - [Module1 (Co)]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (User Form in Excel VBA to get name_date...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Forms

UserFormParticulars

Modules

Module1

(General) UserDetailInformation

```
Option Explicit

Sub UserDetailInformation()
    UserFormParticulars.Show
End Sub
```

Code for showing the form

Properties - Module1

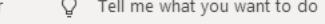
Module1 Module

Alphabetic | Categorized |

(Name) Module1

X VBA





User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code .xlsm - Excel

Mohammad Monjur-E-Elahi

Share

Developer

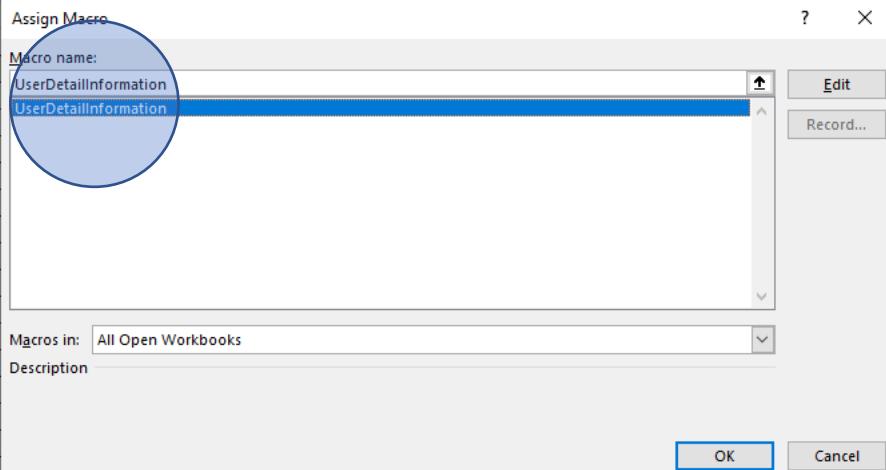
Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Format Tell me what you want to do

Record Macro Use Relative References Add-ins Excel COM Add-ins Insert Design Mode Run Dialog Source Map Properties Import Expansion Packs Export Refresh Data XML

Visual Basic Macro Security Code

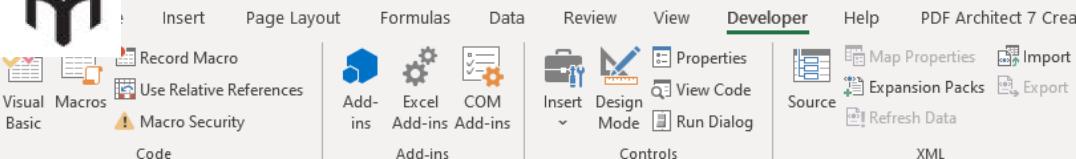
Button 1

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
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4	First Name	Last Name	Date of Birth													
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Sheet1

21°C 2:21 AM
18-Aug-21



B5

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Add User Data

First Name

Last Name

Date of Birth

Gender

Email Address

Phone Number

Postal Code



Sheet1



100%

User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code.xlsxm - Excel

Mohammad Monjur-E-Elahi

Visual Basic Macros Add-ins Add-ins Controls XML

Record Macro Use Relative References Macro Security

Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator Tell me what you want to do

Add-ins Excel COM Insert Design Mode Run Dialog Source Map Properties Import Expansion Packs Export Refresh Data

B5

A B C D E F G H I J K L M N O P Q

1 Add User Data

2

3

4 First Name Last Name Date of Birth

5

6

7

8

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Add User Information

First Name

Last Name

Date of Birth

Gender

Email Address

Phone Number

Postal Code

Insert Clear Cancel

Form is displayed but codes not added for data insertion yet

Sheet1

VBA

Type here to search

2:24 AM 21°C 18-Aug-21

Microsoft Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code.xlsm - [UserFormPar]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 1, Col 1

Project - VBAProject

(General) (Declarations)

```
Private Sub UserForm_Initialize()
End Sub
```

Properties - UserFormParticulars

UserFormParticulars UserForm

Alphabetic Categorized

(Name)	UserFormParticulars
BackColor	&H00C0E0FF&
BorderColor	&H800000B&
BorderStyle	0 - fmBorderStyleNone
Caption	Add User Information
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	366
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat
StartUpPosition	1 - CenterOwner
Tag	
Top	0
WhatsThisButton	False

VBA

al Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code.xlsx - [UserFormPar]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 20, Col 1

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (User Form in Excel VBA to get name_date...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Forms

- UserFormParticulars

Modules

- Module1

UserForm

Initialize

```
Private Sub UserForm_Initialize()

    FirstNameTextBox.Value = ""
    LastNameTextBox.Value = ""
    DOBTextBox.Value = ""
    GenderComboBox.Clear

    With GenderComboBox
        .AddItem "Male"
        .AddItem "Female"
    End With

    EmailTextBox.Value = ""
    PhoneTextBox.Value = ""
    PostalTextBox.Value = ""

End Sub
```

All fields will be initialized as null apart from the Gender

Properties - PostalTextBox

PostalTextBox TextBox

Alphabetic Categorized

(Name)	PostalTextBox
AutoSize	False
AutoTab	False
AutoWordSelect	True
BackColor	&H80000005&
BackStyle	1 - fmBackStyleOpaque
BorderColor	&H80000006&
BorderStyle	0 - fmBorderStyleNone
ControlSource	
ControlTipText	
DragBehavior	0 - fmDragBehaviorDisabled
Enabled	True
EnterFieldBehavior	0 - fmEnterFieldBehaviorSelectAll
EnterKeyBehavior	False
Font	Tahoma
ForeColor	&H80000008&
Height	30
HelpContextID	0
HideSelection	True
IMEMode	0 - fmIMEModeNoControl
IntegralHeight	True
Left	168
Locked	False
MaxLength	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
MultiLine	False
PasswordChar	
ScrollBars	0 - fmScrollBarsNone
SelectionMargin	True
SpecialEffect	2 - fmSpecialEffectSunken
TabIndex	14

X VBA



All fields will be initialized as null apart from the Gender

Add User Information X

First Name	<input type="text"/>
Last Name	<input type="text"/>
Date of Birth	<input type="text"/>
Gender	<input type="text" value="Male"/> <input type="text" value="Female"/>
Email Address	<input type="text"/>
Phone Number	<input type="text"/>
Postal Code	<input type="text"/>



Microsoft Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code.xlsm - [UserFormPar]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (User Form in Excel VBA to get name_date...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Forms

- UserFormParticulars

Modules

- Module1

InsertButton CommandButton

Alphabetic Categorized

(Name)	Value
Accelerator	
AutoSize	False
BackColor	0x0000000F
BackStyle	1 - fmBackStyleOpaque
Cancel	False
Caption	Insert
ControlTipText	
Default	False
Enabled	True
Font	Tahoma
ForeColor	0x00000012
Height	30
HelpContextID	0
Left	42
Locked	False
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PicturePosition	7 - fmPicturePositionAboveCenter
TabIndex	15
TabStop	True
Tag	
TakeFocusOnClick	True
Top	276
Visible	True
Width	90
WordWrap	False

InsertButton

Click

```
Private Sub InsertButton_Click()
    End Sub

Private Sub UserForm_Initialize()

    FirstNameTextBox.Value = ""
    LastNameTextBox.Value = ""
    DOBTextBox.Value = ""
    GenderComboBox.Clear

    With GenderComboBox
        .AddItem "Male"
        .AddItem "Female"
    End With

    EmailTextBox.Value = ""
    PhoneTextBox.Value = ""
    PostalTextBox.Value = ""

End Sub
```

X VBA

Microsoft Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code.xlsm - [UserFormPar]

View Insert Format Debug Run Tools Add-Ins Window Help

Ln 41, Col 62

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (User Form in Excel VBA to get name_date...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Forms

UserFormParticulars

Modules

Module1

InsertButton Click

```
Private Sub CancelButton_Click()
    Unload Me
End Sub

Private Sub ClearButton_Click()
    Call UserForm_Initialize
End Sub

Private Sub InsertButton_Click()

    If FirstNameTextBox.Value = "" Then
        MsgBox "Please enter your First Name! Closing the form!!"
    End If

    If LastNameTextBox.Value = "" Then
        MsgBox "Please enter your Last Name! Closing the form!!"
    End If

    If DOBTextBox.Value = "" Then
        MsgBox "Please enter your Date of Birth! Closing the form!!"
    End If

    If EmailTextBox.Value = "" Then
        MsgBox "Please enter your Email Address! Closing the form!!"
    End If
End Sub
```

Subprocesses added by double clicking on the text boxes and command buttons

Checking for blank fields

Properties - UserFormParticulars

UserFormParticulars UserForm

Alphabetic Categorized

(Name)	UserFormParticulars
BackColor	&H00C0E0FF&
BorderColor	&H8000000B&
BorderStyle	0 - fmBorderStyleNone
Caption	Add User Information
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	366
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat
StartUpPosition	1 - CenterOwner
Tag	
Top	0
WhatsThisButton	False

X VBA

Basic for Applications - User Form in Excel VBA to get name_date of birth_gender_telephone number_email_and postal code.xlsm - [UserFormPar]

View Insert Format Debug Run Tools Add-Ins Window Help

Project - VBAProject

VBAProject (FUNCRES.XLAM)

VBAProject (User Form in Excel VBA to get name_date...)

Microsoft Excel Objects

- Sheet1 (Sheet1)
- ThisWorkbook

Forms

UserFormParticulars

Modules

Module1

InsertButton

Click

```
End If

If EmailTextBox.Value = "" Then
    MsgBox "Please enter your Email Address! Closing the form!!"
End
End If

If PhoneTextBox.Value = "" Then
    MsgBox "Please enter your Phone Number! Closing the form!!"
End
End If

If PostalTextBox.Value = "" Then
    MsgBox "Please enter your Postal Code! Closing the form!!"
End
End If

Dim emptyRow As Long
'Make Sheet1 active
Sheet1.Activate
'Determine number of emptyRow
emptyRow = WorksheetFunction.CountA(Range("B:B")) + 1
'Transfer information
Cells(emptyRow, 2).Value = FirstNameTextBox.Value
Cells(emptyRow, 3).Value = LastNameTextBox.Value
Cells(emptyRow, 4).Value = DOBTextBox.Value
Cells(emptyRow, 5).Value = GenderComboBox.Value
Cells(emptyRow, 6).Value = EmailTextBox.Value
Cells(emptyRow, 7).Value = PhoneTextBox.Value
Cells(emptyRow, 8).Value = PostalTextBox.Value

End Sub
```

Properties - UserFormParticulars

UserFormParticulars UserForm

Alphabetic | Categorized |

(Name)	UserFormParticulars
BackColor	&H00C0E0FF&
BorderColor	&H8000000B&
BorderStyle	0 - fmBorderStyleNone
Caption	Add User Information
Cycle	0 - fmCycleAllForms
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	366
HelpContextID	0
KeepScrollBarsVisible	3 - fmScrollBarsBoth
Left	0
MouseIcon	(None)
MousePointer	0 - fmMousePointerDefault
Picture	(None)
PictureAlignment	2 - fmPictureAlignmentCenter
PictureSizeMode	0 - fmPictureSizeModeClip
PictureTiling	False
RightToLeft	False
ScrollBars	0 - fmScrollBarsNone
ScrollHeight	0
ScrollLeft	0
ScrollTop	0
ScrollWidth	0
ShowModal	True
SpecialEffect	0 - fmSpecialEffectFlat
StartUpPosition	1 - CenterOwner
Tag	
Top	0
WhatsThisButton	False

Searching for first blank row

Values from textboxes and Combo Boxes transferred to the appropriate columns

X VBA



The ribbon bar at the top of the Excel window includes the following tabs: Insert, Page Layout, Formulas, Data, Review, View, Developer, Help, and PDF Architect 7 Creator. Below the tabs are several groups of tools: Font (with Calibri, 11pt, bold, italic, underline, etc.), Alignment (with horizontal, vertical, wrap text, merge & center options), Number (with General, Currency, Percentage, etc.), Styles (with Normal, Bad, Good, Neutral, Calculation, Check Cell, Explanatory..., Input, Linked Cell, Note buttons), Cells (with Insert, Delete, Format, Clear, AutoSum, Sort & Filter, Find & Select buttons), and Editing.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Inserted Data are Here		Add User Data													
2																
3																
4	First Name	Last Name	Date of Birth	Gender	Email Address	Phone Number	Postal Code									
5																
6																
7																
8																
9																
10																
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34																
35																
36																



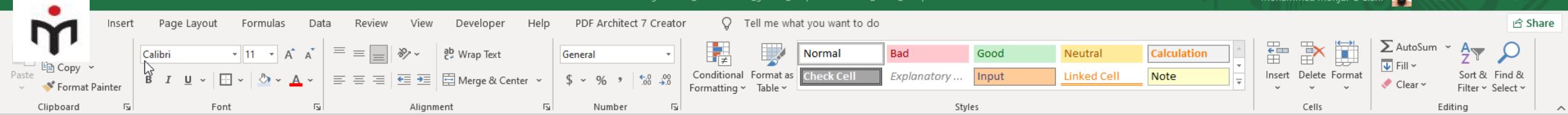


The screenshot shows a Microsoft Excel spreadsheet titled "Sheet1". The top menu bar includes "Insert", "Page Layout", "Formulas", "Data", "Review", "View", "Developer", and "Help". A "PDF Architect 7 Creator" watermark is visible in the center of the screen. The ribbon tabs "Font", "Alignment", "Number", "Styles", "Cells", and "Editing" are displayed along the top.

The spreadsheet contains the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Inserted	Data are		Add User Data													
2																	
3																	
4	First Name	Last Name	Date of Birth	Gender	Email Address	Phone Number	Postal Code										
5																	
6																	
7																	
8																	
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36																	

The "Add User Data" button in cell C4 is highlighted with a blue circle. The formula bar shows "L12". The bottom right corner features a green "VBA" icon.



	Inserted Data are Here	Add User Data												
	First Name	Last Name	Date of Birth											
1	Mohammad	Monjur-E-Elahi	27-02-79	Male										
2														
3														
4														
5														
6														
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10														
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36														

Checking for data insertion

Add User Information

First Name	Mohammad
Last Name	Monjur-E-Elahi
Date of Birth	02/27/1979
Gender	Male
Email Address	mmeelahi@gmail.com
Phone Number	6479168989
Postal Code	M11 4E7





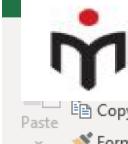
Add User Information

First Name	Mohammad
Last Name	Monjur-E-Elahi
Date of Birth	02/27/1979
Gender	Male
Email Address	mmeelahi@gmail.com
Phone Number	6479168989
Postal Code	M1J 4E7

Checking for clearing of fields

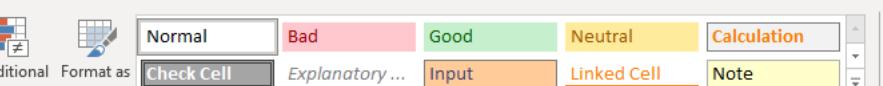
Insert Clear Cancel





Insert Page Layout Formulas Data Review View Developer Help PDF Architect 7 Creator

Tell me what you want to do



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Add User Data

Add User Information

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Last Name

Date of Birth

Gender

Email Address

Phone Number

Postal Code

Insert

Clear

Cancel

Checking for clearing of fields





Add User Information

First Name

Last Name

Date of Birth

Gender

Email Address

Phone Number

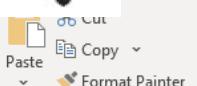
Postal Code

Insert

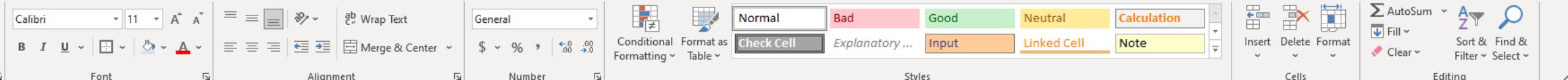
Clear

Cancel





Clipboard



J25

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Inserted Data are Here		Add User Data													
2																
3																
4	First Name	Last Name	Date of Birth	Gender	Email Address	Phone Number	Postal Code									
5	Mohammad	Monjur-E-Elahi	27-02-79	Male	mmeelahi@gmail.com	6479168989	M1J 4E7									
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LIST



100%



Conclusion

- For the User Forms the Tab Index had to be adjusted so that tab could be used effectively
- Used macro recording for one or two tasks to get the code to edit and use for our purpose
- The learning experience was absorbing and fun.



Thanks

Questions ?

LIST

