

# Assignment - 19

1. What are the data types used in VBA?

Int, Single, double, Date, String, Boolean

2. What are variables and how do you declare them in VBA? What happens if you don't declare a variable?

A variable is defined as storage that stores information to execute the VBA code

To declare a variable, type Dim, the variable name, and the variable type

assigning a value to an undeclared variable will give an error.

3. What is a range object in VBA? What is a worksheet object?

Range is a property in VBA that helps specify a particular cell, a range of cells.

The Worksheet object is a member of the Worksheets collection. The Worksheets collection contains all the Worksheet objects in a workbook.

4. What is the difference between worksheet and sheet in excel?

A worksheet is a single-page data file.

A spreadsheet is a whole program where the user can create a worksheet or workbook.

5. What is the difference between A1 reference style and R1C1 Reference style? What are the advantages and disadvantages of using R1C1 reference style?

Columns are identified by letters (A, B, C), and rows are identified by numbers (1, 2, 3). In Excel, this is known as the A1 reference style.

In the R1C1 style, Excel indicates the location of a cell with an "R" followed by a row number and a "C" followed by a column number.

Advantages : The R1C1 reference style is useful if you want to compute row and column positions in macros.

Disadvantages: The disadvantage of R1C1 reference style is that you have to change macro code depending on frequency or requirement.

6. When is offset statement used for in VBA? Let's suppose your current highlight cell is A1 in the below table. Using OFFSET statement, write a VBA code to highlight the cell with "Hello" written in it.

A B C

1 25 354 362

2 36 6897 962

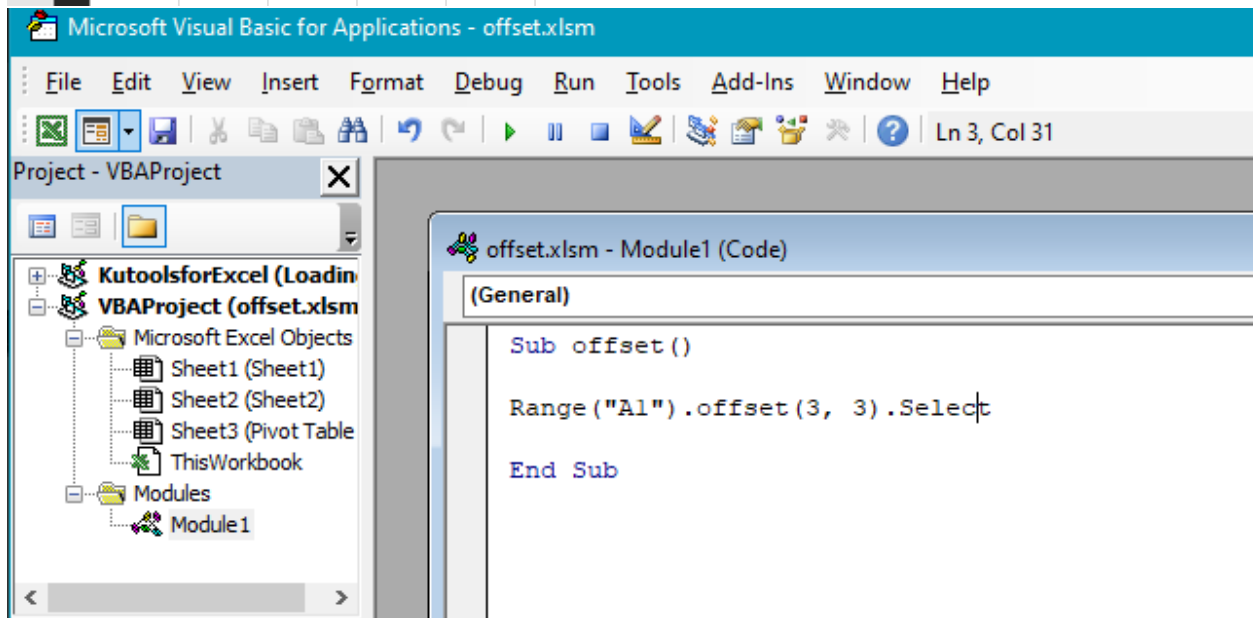
3 85 85 Hello

4 96 365 56

5 75 62 2662

VBA Offset function is use to a reference skipping a particular number of rows and columns.

	A	B	C	D	E	F
1		A	B	C		
2	1	25	354	362		
3	2	36	6897	962		
4	3	85	85	Hello		
5	4	96	365	56		
6	5	75	62	2662		
7						
8						



FileHomeNew TabInsertDrawPage LayoutFormulas

Visual Basic

Macros

Record Macro

Use Relative References

Macro Security

Code

Add-ins

Excel Add-ins

COM Add-ins

Add-ins

Insert

Developer

D4

✕

✓

*f<sub>x</sub>*

Hello

	A	B	C	D	E	F	
1		A	B	C			
2	1	25	354	362			
3	2	36	6897	962			
4	3	85	85	Hello			
5	4	96	365	56			
6	5	75	62	2662			
7							
8							
9							