

**Assignment - 19**

1. What are the data types used in VBA?

Boolean, Byte, Integer, Long, Currency, Single, Double, Date, String (for variable-length strings), String \* length (for fixed-length strings), Object, or Variant.

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

Variables can be declared as one of the following data types: Boolean, Byte, Integer, Long, Currency, Single, Double, Date, String (for variable-length strings), String \* length (for fixed-length strings), Object, or Variant. If you don't specify a data type, the Variant data type is assigned by default.

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, a row, a column, or a three-dimensional range. In the context of the Excel worksheet, the VBA range object includes a single cell or multiple cells spread across various rows and columns.

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

: A worksheet is a just single-page data file that is generally created as a specific data file, while 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

In the A1 reference style, you have the column name as an alphabet and the row name as a number and when you select the A1 cell that means you are in column A and row 1. But in R1C1 both column and row are in numbers.reference style?



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.

VBA Offset function one may use to move or refer to a reference skipping a particular number of rows and columns. The arguments for this function in VBA are the same as those in the worksheet.