**Assignment – 19**

1. What are the data types used in VBA?

Ans: Byte, Boolean, Integer, Long, Single, Double, Currency, Decimal, Date, Object, and String.

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

Ans: 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.

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

Ans. The Excel VBA Range object is used to represent a range in a worksheet. A range can be a cell, a group of cells, or even all the 17,179,869,184 cells in a sheet. When programming with Excel VBA, the Range object is going to be your best friend.

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

Ans: A spreadsheet is combined worksheets or workbook. It's always multiple sheets. But worksheet or sheet is always single page in spreadsheet.

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

Ans: Unlike A1 which refers to columns followed by row number, R1C1 does the opposite: rows followed by columns

1. 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.

Ans: VBA Offset function one may use to move or refer to a reference skipping a particular number of rows and columns