----------------------------------------------EXCELL ASSIGNMENT NO- 19-----------------------------------------------

Q1. What are the data types used in VBA?

Ans: string, long. Double, Boolean, Object, integer, byte, decimal, are the data types used in Excel

Q2) what are variables and how do you declare them in VBA? What happens if you don’t declare a variable?

Ans: A variable is defined as storage in the computer memory that stores information to execute the VBA code.

To declare a variable in code, you should assign a name to that variable. You can assign any name to a variable. However, selecting a variable name that relates to data is advisable so that other users can understand it easily.

When you don't declare the data type of the variable, then VBA treats it as a Variant data type, and it is bound to accept any type of data integer like an integer, string, workbook,

Q3) what is a range object in VBA? What is a worksheet object?

Ans: 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.

Q4) what is the difference between worksheet and sheet in excel?

Ans: In essence, all Worksheets are Sheets, but not all Sheets are Worksheets. There are different types of Sheets: Worksheet – the sheet with the gridlines and cells. Chart – the sheet which contains a single chart.

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

Ans: 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.

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

Disadvantage: If a range of cells are using a formula which has an absolute cell reference, a change will affect all cells. You might not want this to happen. - it is more complicated to enter an absolute cell reference as you have to be careful about the placement of the dollar signs.