Data

1) **What is Data?**
   Data is a collection of facts, such as numbers, words, measurements, observations or just descriptions of things.

2) **What is raw data?**
   The unprocessed data in terms of individual observations are called as raw data.

3) **What are type of Data?**
   There are two types of Data **1. Qualitative and 2. Quantitative**

4) **What is Qualitative Data?**
   Qualitative data is descriptive information (it describes something)

5) **What are the types of Qualitative Data?**
   It can be Nominal, Ordinal

6) **What is Nominal Data?**
   Nominal data are used to label variables without any quantitative value. E.g. Gender, hair color, nationalities. Names of people.

7) **What is Ordinal Data?**
   An ordinal Data is one where the order matters but not the difference between values. (E.g. low, medium, high)

8) **What is Quantitative Data?**
   Quantitative data is numerical information (numbers)

9) **What are the type of Quantitative data?**
   It can be Discrete, Continuous, interval and Ratio

10) **What is Discrete Data?**
    Discrete data can only take certain values like whole numbers (e.g. 2 ear, 4 legs, 1 head, 10 buses)

11) **What is Continuous Data?**
    Continuous data can take any value within a range (E.g. height, weight)

12) **What is an Interval Data?**
    An interval data is one where there is ordered and the difference between two values is meaningful. (E.g. temperature, score, credit score)

13) **What is Ratio Data:**
    A ratio data, has all the properties of an interval data, and also has a clear definition of 0.0. When the variable equals 0.0 there is none of that variables.