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In [ ]: """Que 1-What is Statistics?
Ans 1- statics is the science of collecting Organising and analyzing the data

Que 2-Define the different types of statistics and give an example of when each
type might be used.
Ans 2-Different type of statics are
a) Descriptive statics
  -it used for Measure Central Tendancy [Mean,Median,Mode]
  -Measure of Dispersion
  -Different type of Distribution of Data

b) inferential Statics
  -for z-testing,t-testing,CHI Squared

Que 3-What are the different types of data and how do they differ from each
other? Provide an example of each type of data.
Ans 3- different type of Data are
  1) Quatitative Data
    -it used for numerical Data

  2) Qualitative Data
    -it used for Catogorical Data

Que 4-Categorise the following datasets with respect to quantitative and qualitative
(i) Grading in exam: A+, A, B+, B, C+, C, D, E
(ii) Colour of mangoes: yellow, green, orange, red
(iii) Height data of a class: [178.9, 179, 179.5, 176, 177.2, 178.3, 175.8,...]
(iv) Number of mangoes exported by a farm: [500, 600, 478, 672, ...]

Ans i)Qualitative
    ii)Qualitative
    iii)Quantitative
    iv) Quantitative

Que 5-Explain the concept of levels of measurement and give an example of a
variable for each level.
Ans 5-level of measurement are the method on which based we measured the data
different type Measurement

a)Nominal scale Data      b)Ordinal Scale Data
c)interval Scale Data    d)Ratio Scale Data

Que 6-Why is it important to understand the level of measurement when analyzing
example to illustrate your answer.
Ans 6- it is important because in the level measurement of Data we have
different Categories of the measurement each categories have different Properties
which have to analyze the data in the proper way
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Que 7-How nominal data type is different from ordinal data type.

Ans 7 nominal data include ordinal data include

1) Qualitative/Categorical Data	1) Ranking is important
2) Gender Clour	2) Order Matter
3) Order does not Matters	3) Difference Can be Measured

Que 8-Which type of plot can be used to display data in terms of range?

Ans 8 Column chart is used

Que 9-Describe the difference between descriptive and inferential statistics. Give an example of each type of statistics and explain how they are used.

Ans 9- Descriptive Statics inferential statics

1) it consists of Organising and sumerising the Data	1) it consists of using data yo have measure to from conclusi
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Que 10-What are some common measures of central tendency and variability used in statistics? Explain how each measure can be used to describe a dataset.

Ans 10-common measure of central tendency are mean median, Mode  
and variability are (variance, std)

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