**Problem Statement**

1. If I find Covariance between same variable what will be the output? What will be correlation coefficient?

Ans - Positive covariance. Correlation coefficient - positive

2. Assume I have a set of numbers. The mean, median and mode of the set of numbers are equal. If I draw a Frequency plot of individual distinct numbers, how would the plot look like?

Ans - B

3. If the scores for a given sample distribution are:

32 32 35 36 37 38 38 39 39 39 40 40 42 45

Find the Variance and The Standard Deviation

Ans- Variance- 12.46

The Standard Deviation- 3.52