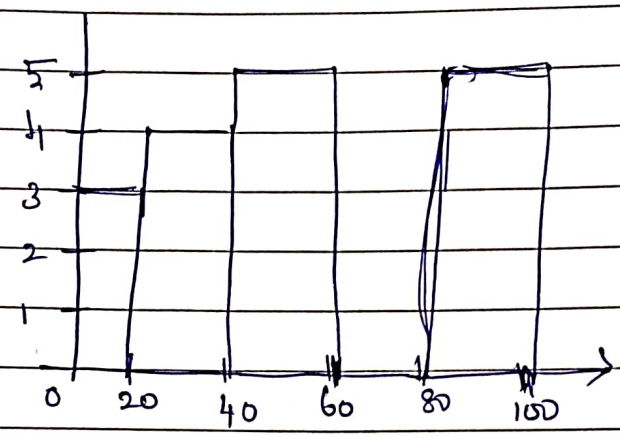
Assignment

① plot a histogram

10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 88, 90, 92, 94, 99

No of Bins = 5 Binsize = 20



④ What is the value of the 99 Percentile?

2, 2, 3, 4, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 10, 11, 11, 12

5

$$\text{Value} = \frac{\text{Percentile}}{100} \times (n+1)$$

$$= \frac{99}{100} \times (21)$$

$$= 20.79$$

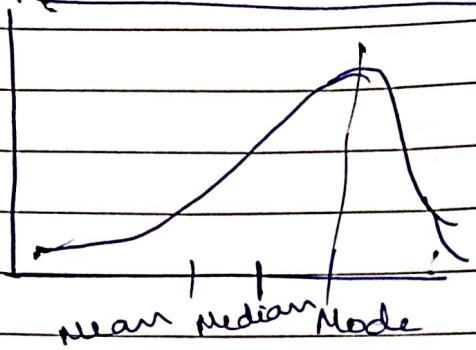
Index pos = 20

99th Percentile Value is 12 //

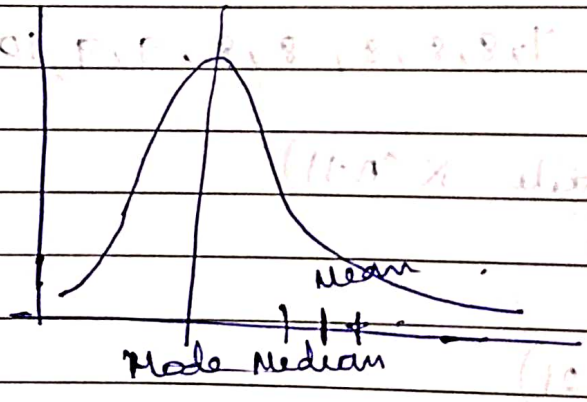
5) In the left and right - skewed data what is the relationship b/w mean, median and mode.

Left skewed data

Mean < Median < Mode

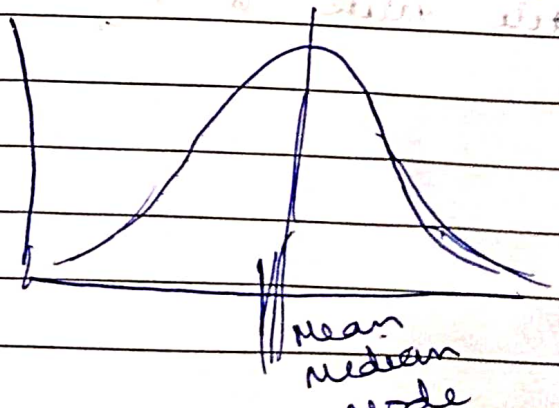


Right skewed data



Mean > Median > Mode

Normally distributed data



Mean = Median =