Programming Assignment-1

1) Generate 10,00,000 random number in the range 0 to 100.

a) Calculate the central tendencies (mean, median, mode) for all the data points.

b) Choose 10,000 samples randomly and calculate the central tendencies.

c) Pick the first 10,000 samples with a step size of 5 (i.e. 1st, 6th, ...) and calculate the central tendencies.

d) Compare and comment on the results. Also, represent the data points graphically.

Note: Do it using a programming platform Python / R.