**Designation/Representation of mean and standard deviation:**

For population, mean = mu ; STD = sigma ;

For sample, mean = x-bar ; STD = S ;

**Standardization is the process that will convert normal distribution with mean (= any value) and deviation (any value) to standard normal distribution with mean as 0 and STD as 1.**

**Z-scores help in achieving the same.**

**Why do we do standardization?**

To remove the biasness from the model.