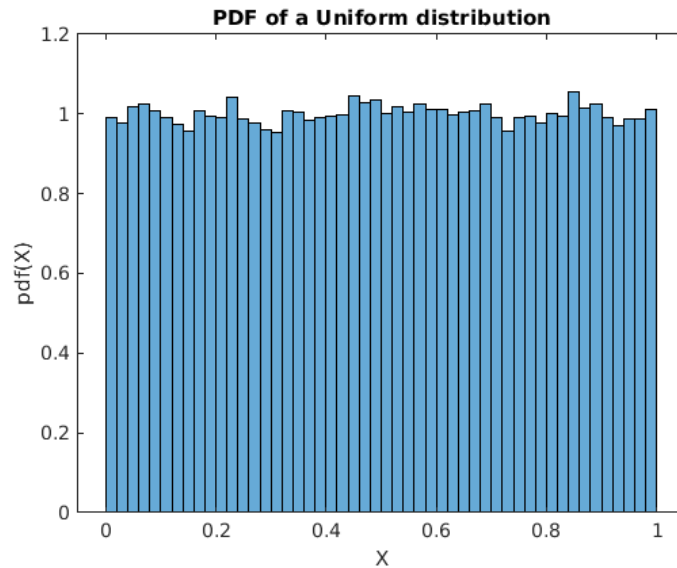


Activity 2

Results:

Probability Density Function of Uniform distribution of Random variable X

When $N = 10000$.

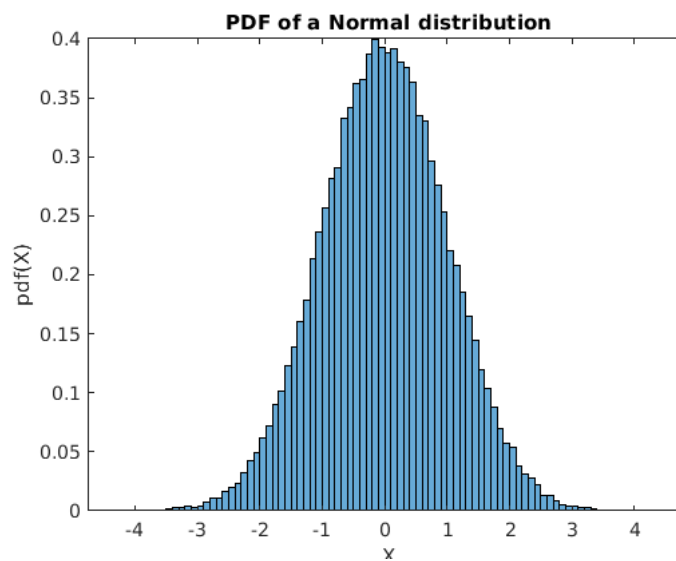


Mean of Uniform Distribution: 0.5007

Variance of Uniform Distribution: 0.0831

Probability Density Function of Normal distribution of Random variable X

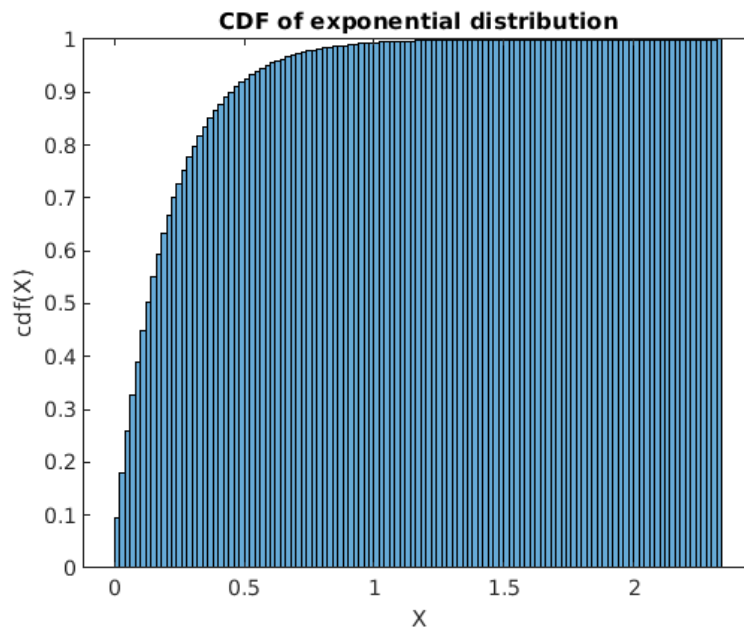
When $N = 10000$.



Mean of Normal Distribution: -0.0027

Variance of Normal Distribution: 1.0102

Cumulative Density Function of Exponential distribution of Random variable X when N = 10000.



Probability Density Function of Normal distribution of Random variable X
When N = 10000.

