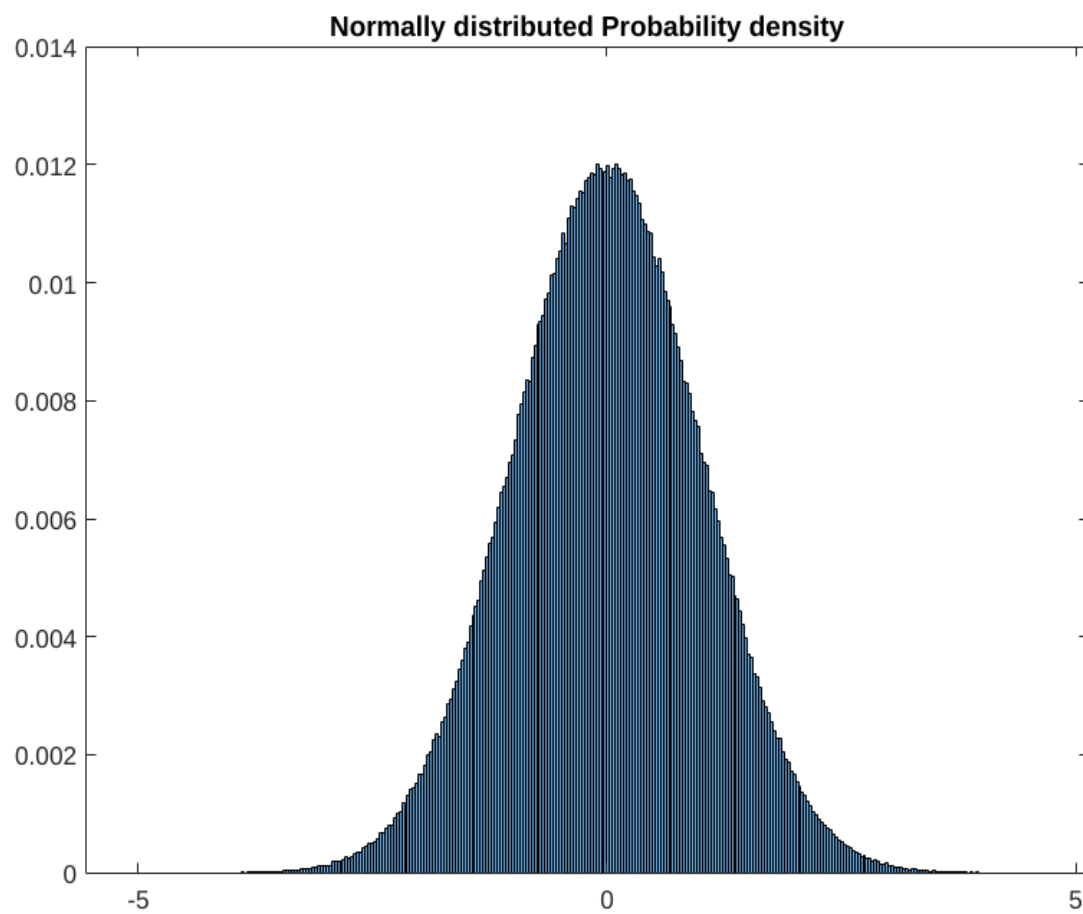
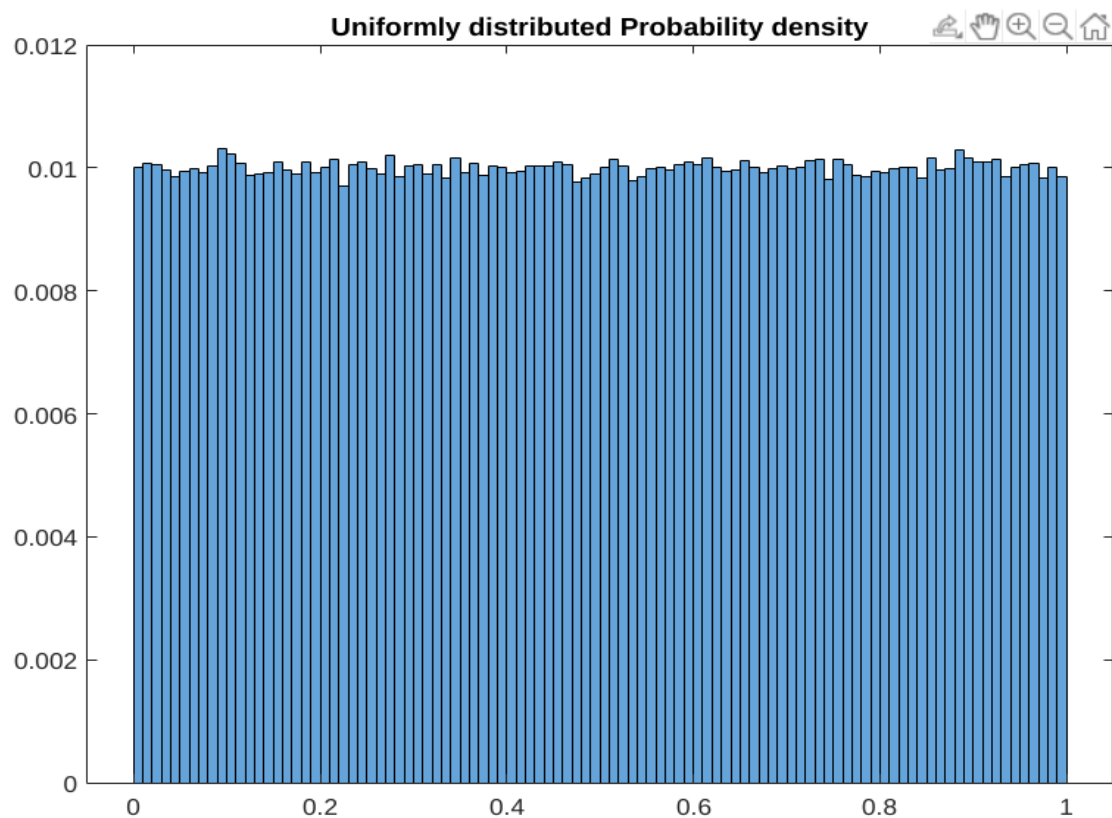


Part 1:

- Normally distributed probability density function of a random variable.



- Uniformly distributed probability density function of a random variable.



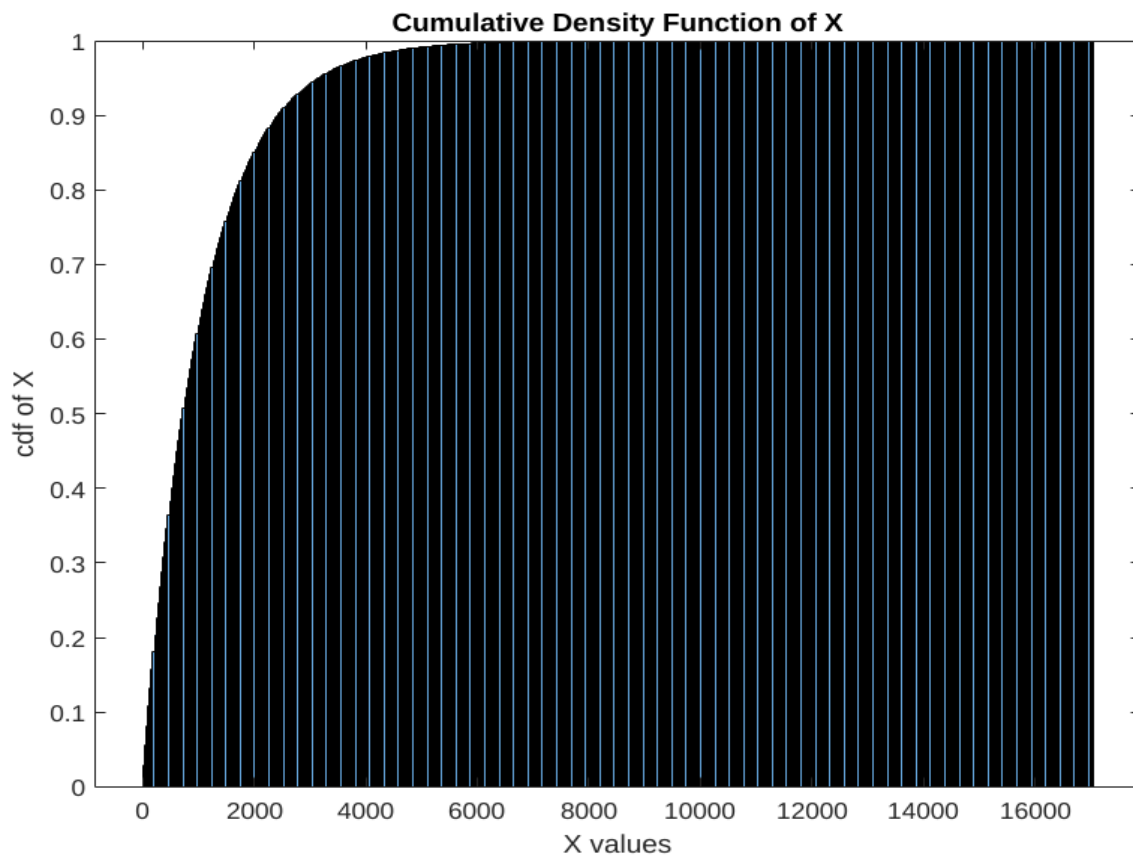
Part 2:

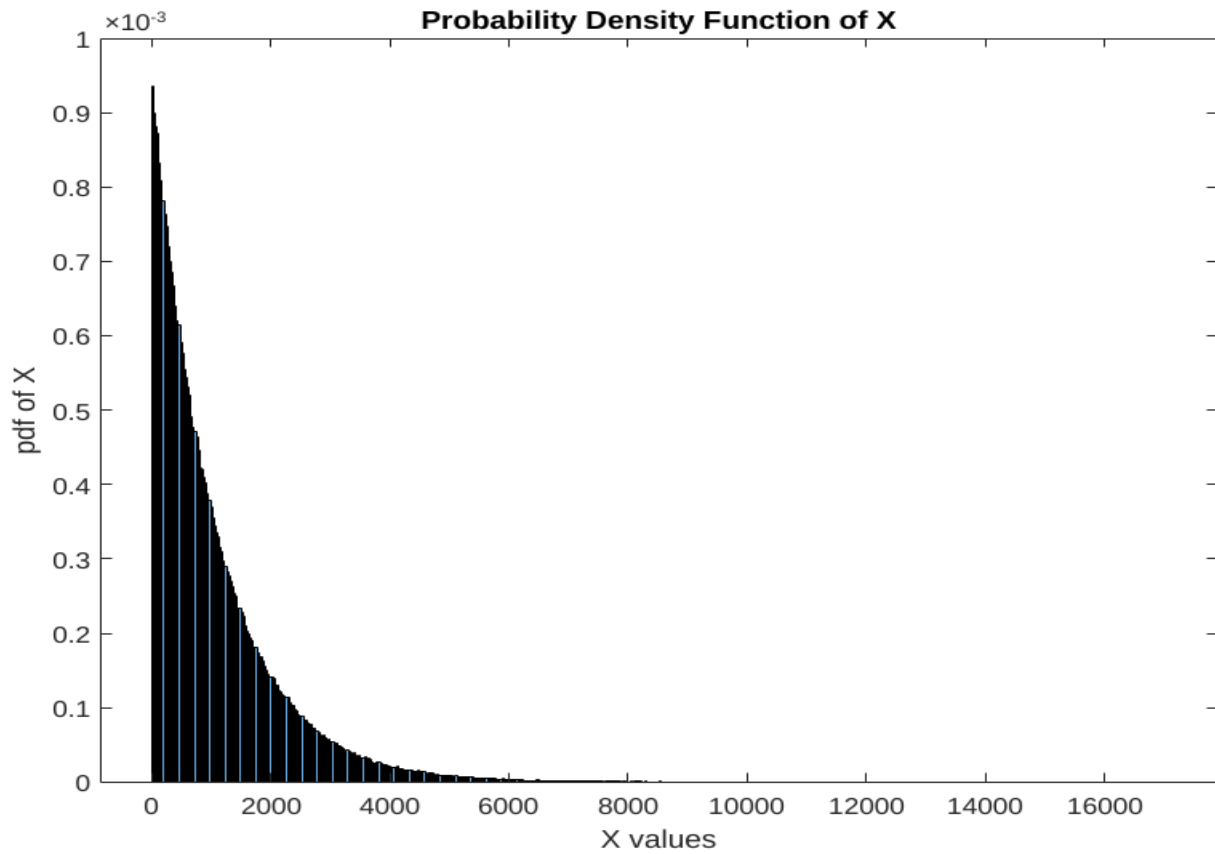
The mean and variance of uniformly and normally distributed random variables.

- It is computed in the code.
- We can see the result in the command window.

Part 3:

An exponentially distributed random variable from uniformly distributed random variable.





- From the plots it is verified that the Random variable X has CDF with exponentially increasing And PDF with exponentially decreasing.