ReadMe(Divya Saxena 1001773376)

Components :

Python Files

1. bandit.py – It contains all code for N armed Bandit Problem
2. graphplt.py – It plots the graph
3. Expoprob.py – It is for Exponential Probablity Distribution for Question 1
4. Gamma.py– It is for Gamma Probablity Distribution for Question 1
5. NormalProb.py– It is for Normal Probablity Distribution for Question 1
6. Uniformprob.py– It is for Uniform Probablity Distribution for Question 1
7. NormalProbF2.py– It is for Normal Probablity Distribution for Question 2
8. GammaF2.py– It is for Gamma Probablity Distribution for Question 2
9. ExpoprobF2.py– It is for Exponential Probablity Distribution for Question 2
10. UniformprobF2.py– It is for Uniform Probablity Distribution for Question 2

PDF Files

1. TheoryAnswers.pdf
   It contains Answers to Question 1 a,b,c and 2 a
2. GraphRepresentation.pdf
   It contains all the graphs generated from below mentioned Python Files
3. GraphDiscussions.pdf
   It contains all the graph discussions for Question 1 e and 2 b

Run Code for Question 1:

For each probability distribution there is one python file to run N-Armed Bandit problem

i. Uniform Probablity Distribution : python Uniformprob.py
ii. Exponential Probablity Distributio: python Expoprob.py
iii. Gamma Probablity Distribution : python Gamma.py
iv. Normal Probablity Distribution : python NormalProb.py

Run Code for Question 2:

For each probability distribution there is one python file to run N-Armed Bandit problem

i. Uniform Probablity Distribution : python UniformprobF2.py
ii. Exponential Probablity Distribution : python ExpoprobF2.py
iii. Gamma Probablity Distribution : python GammaF2.py
iv. Normal Probablity Distribution : python NormalProbF2.py