Final Programming Assignment

Write a program that determine whether an undirected graph contains a cycle. You can reuse code from the previous assignment.

For random graphs with 100 nodes, determine the probability that a graph contains a cycle depending on the probability that there is an edge between two different nodes. Use probabilities in [0, 0.05, 0.1, 0.15, 0.2, 0.25, 0.3, 0.35, 0.4]

You will need to repeat this often enough that you can give meaningful 1% confidence intervals.