Assignment 3 Report

Running the code:

To run the code, use the following command

**python3 assignment3.py <number of output bytes> <Number of runs> <name of plot>**

This code will run the code as given in the assignment 3 and save the plot generated during the compilation. E.g.

**python3 assignment3 2 20 plot\_2\_20.png**

Plots and Observation:

Chart, histogram

Description automatically generated

Fig 1: Plot for randomness using 2bytes outputs with 60 runs.

Chart, histogram

Description automatically generated

Fig 2: Plot for randomness using 4bytes outputs with 60 runs.

Chart, histogram

Description automatically generated

Fig 3: Plot for randomness using 8bytes outputs with 60 runs.

Chart

Description automatically generated

Fig 4: Plot for randomness using 32bytes outputs with 60 runs.

Chart, histogram

Description automatically generated

Fig 5: Plot for randomness using 128bytes outputs with 60 runs.

Chart, histogram

Description automatically generated

Fig 6: Plot for randomness using 1024bytes outputs with 60 runs.