

Network and Distributed Systems Security

Assignment-1

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1

In this question I have generated a number and then used I have used Rabin-Miller for primality-test

Command for running the code

```
$ g++ GeneratePrime.cpp -std=c++11 -o GeneratePrime  
$ ./GeneratePrime
```

2

In this question I have used Extended Euclidean Algorithm for generating the multiplicative inverse of the prime number modulo n.

Command for running the code

```
$ g++ Mult_Inverse.cpp -std=c++11 -o Mult_Inverse  
$ ./Mult_Inverse
```