

## Lab Assignment 1:

1. WAP in python to implement client and server communication.
2. WAP in python to implement Euclidean algorithm to find the GCD.
3. WAP in python to implement extended Euclidean algorithm to find the GCD along with s and t values.
4. WAP in python to find out the additive and multiplicative inverse pairs of set  $Z_n$ .
5. WAP in python to find out the additive and multiplicative inverse of an integer b using extended Euclidean algorithm of set  $Z_n$ .