**Socket Programming:**

**Client Program:**

import socket

sc = socket.socket()

sc.connect(('127.0.0.1', 12000))

print(sc.recv(1024).decode())

msg = input("Enter any message\n")

while(msg!= 'Exit'):

sc.send(msg.encode())

data = sc.recv(1024)

print(data.decode())

msg = input("Enter any message\n")

sc.close()

**Server Program:**

import socket

sc = socket.socket()

sc.bind(('127.0.0.1', 12000))

sc.listen(1)

while(True):

c, a = sc.accept()

str = 'Connection successfully established'.encode()

c.send(str)

data = c.recv(1024)

if data:

print(data.decode())

msg = input("Enter your response\n")

c.send(msg.encode())

else:

break

sc.close()

**Client Output:**

Connection successfully established

Enter any message

Hello

**Server Output:**

Hello

Enter your response