~~IBM~~ Computer Networks LAB 2

31/12/2020

Mohammad Tanwil

1BM18CS054

Q. Two processes which can exchange messages with each other. Implement code for connectionless service.

A.

~~import socket as skt~~

~~Serverport = 12000~~

~~Servername = "127.0.0.1"~~

→ clientsocket = skt.socket(skt.AF_INET, skt.SOCK_DGRAM)

except socket.error, msg:

print 'Error creating socket' + str(msg[0]) + msg[1]

creating a socket.

Server Script

```
import socket as skt
serverport = 12000
serverhost = "127.0.0.1"
try:
    serversocket = skt.socket(AF_INET, SOCK_DGRAM)
except skt.error, msg:
    print 'Error creating socket' + str(msg[0]) + msg[1]
try:
    skt.bind((serverhost, serverport))
except skt.error, msg:
    print 'Error binding socket' + str(msg[0])
                                  + msg[1]
while 1:
    message, client_address = serversocket.recvfrom(1024)
    reply = 'Received' + message
```

```
        file = open(message, "r")
        reply = reply + file.read(1024)
        Serversocket.sendto(reply, address)
        print "replied"
    file.close()

# client script
import socket as skt
sname = "127.0.0.1"
sport = 12000
try:
csocket=skt.socket(skt.AF_INET, skt.SOCK_DGRAM)
except skt.error, msg:
        print &"error"
while 1:
    message = input("file")
    csocket.sendto(message, (sname, sport))
    file_contents, saddress = csocket.recvfrom(1024)
    print(file_contents)
    Csocket.close()
```