Practical No : 0 (Basic of rpc)

Roll No : B -09 **Date: 21/8/20**

Program 1: Implement concept of RPC (Basic)

Client :

```
import socket
#client code
HOST = '127.0.0.10'
PORT = 65432

with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
        s.connect((HOST, PORT))
        print("CONNECTED")
        n=0
        while(n!=1):
                datai=str(input("**STOP=STOP** ENTER MESSAGE: "))
                if datai!="STOP":
                        s.sendall(b'HI')
                        data = s.recv(1024)
                if datai=="STOP":
                        n=1
print('Received', repr(data))
```

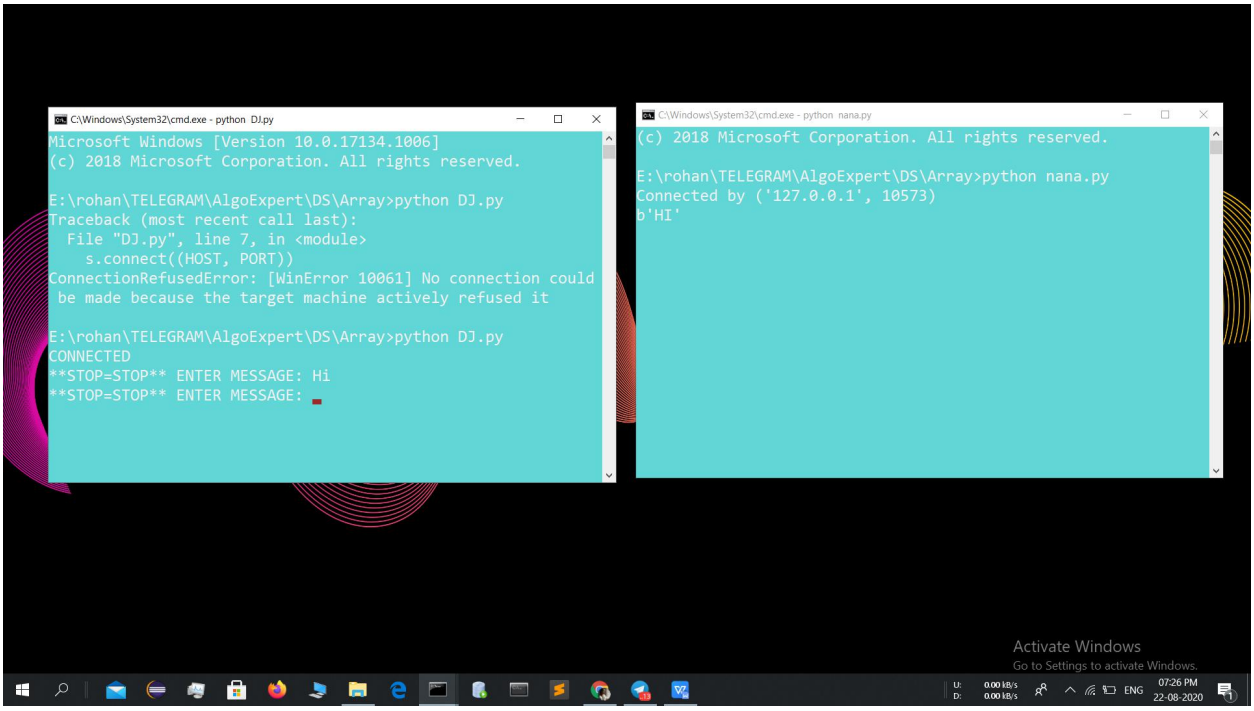
Server:

```
import socket

HOST = '127.0.0.10'
PORT = 65432

with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
   s.bind((HOST, PORT))
   s.listen()
   conn, addr = s.accept()
   with conn:
      print('Connected by', addr)
      while True:
         data = conn.recv(1024);print(data)
         if not data:
            break
         conn.sendall(data)
```

OUTPUT:


C:\Windows\System32\cmd.exe - python DJ.py
Microsoft Windows [Version 10.0.17134.1006]
(c) 2018 Microsoft Corporation. All rights reserved.
E:\rohan\TELEGRAM\AlgoExpert\DS\Array>python DJ.py
Traceback (most recent call last):
File "DJ.py", line 7, in <module>
s.connect((HOST, PORT))
ConnectionRefusedError: [WinError 10061] No connection could be made because the target machine actively refused it
E:\rohan\TELEGRAM\AlgoExpert\DS\Array>python DJ.py
CONNECTED
STOP=STOP ENTER MESSAGE: Hi
STOP=STOP ENTER MESSAGE:
C:\Windows\System32\cmd.exe - python nana.py
(c) 2018 Microsoft Corporation. All rights reserved.
E:\rohan\TELEGRAM\AlgoExpert\DS\Array>python nana.py
Connected by ('127.0.0.1', 10573)
b'HI'
Activate Windows
Go to Settings to activate Windows.
ENG
07:26 PM
22-08-2020