Echoserver

Echo server and client using python socket

AIM:

To develop a simple webserver to serve html programming pages.

DESIGN STEPS:

Step 1:

Design of echo server and client using python socket

Step 2:

Implementation using Python code

Step 3:

Testing the server and client

PROGRAM:

Server code echo-server.py

```
import socket
```

```
HOST = "127.0.0.1" # Standard loopback interface address (localhost)
PORT = 65432 # Port to listen on (non-privileged ports are > 1023)
with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
    s.bind((HOST, PORT))
    s.listen()
    conn, addr = s.accept()
    with conn:
        print(f"Connected by {addr}")
        while True:
            data = conn.recv(1024)
            if not data:
                break
            conn.sendall(data)
```

Client Code: echo-client.py

```
import socket
```

```
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```

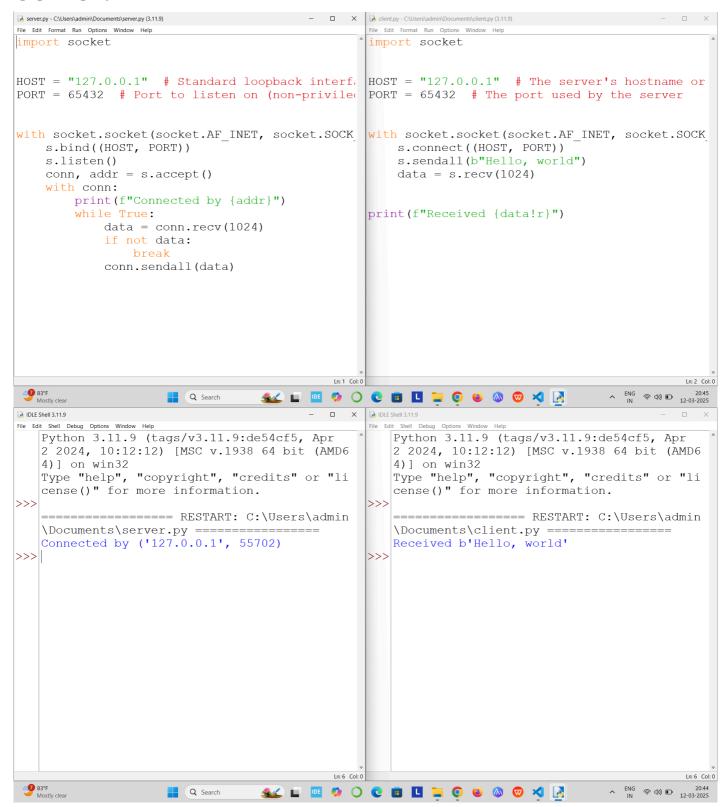
```
HOST = "127.0.0.1" # The server's hostname or IP address
PORT = 65432 # The port used by the server
with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
   s.connect((HOST, PORT))
```

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```
s.sendall(b"Hello, world")
data = s.recv(1024)
```

print(f"Received {data!r}")

OUTPUT:



RESULT:

The program is executed successfully