

EXPERIMENT NO: 12A

Implementation of echo client  
server using TCP/UDP Sockets

Date: 28.9.25

Aim:

a) Implement echo client server using  
TCP / UDP Sockets.

Algorithm:

```
import socket
```

```
import time
```

```
def ping_server (host = '127.0.0.1', Port = 12345):
```

```
    with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
```

```
        s.connect((host, Port))
```

```
    try:
```

```
        s.send('Hello: (host, Port)')
```

```
    except socket.timeout:
```

```
        print("Request timed out")
```

```
    ping_server()
```

Result:  
The Message Hello is successfully sent to the  
Server.