

Practical - 13

AIM:

Implement your ping program

server.py

```
import socket
```

```
def start_server(host='127.0.0.1', port=12345)
```

```
with socket.socket(socket.AF_INET, socket.SOCK_STREAM)
```

as s:

```
s.bind((host, port))
```

```
print("Server running")
```

```
while True:
```

```
data, addr = s.recvfrom(1024)
```

```
print("Received Message")
```

```
s.sendto(b'ping : addr')
```

```
if __name__ == '__main__':
```

```
start_server()
```

Client -- py

```
import socket
```

```
import time
```

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

```
with socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
```

as s:

```
try:
```

```
s.sendto(b'ping')
```

```
start = time.time()
```

```
if __name__ == '__main__':
```

```
ping_server()
```

O/P:

Python Server.py

UDP server running on 127.0.0.1, 12345

Received message from (127.0.0.1, 57043): Ping

Python client.py

Received Ping from ('127.0.0.1', 12345) in 0.00 seconds

Result:

Thus the ping program is executed & the output is verified successfully.