

Ex No 13: Implement your own ping program

25/9/25/11 [You pass this practical - 12/10/2011]

Implement your own ping program

Aim:

To implement your own ping program.

1.02. Algorithm:

```
import socket : 2.0 (MAIN)
import time ((ping, sleep)) built-in
("ping") def ping_server(host="127.0.0.1", port=12345),
with socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
(OS): max 256.0.2 = 65535
```

```
def body: try:
    s = socket.socket(socket.AF_INET)
    s.settimeout(2)
    start = time.time()
    s.sendto(b'ping', (host, port))
    data, addr = s.recvfrom(1024)
    sleep(2)
    end = time.time()
    diff = (end - start) * 1000
    print(f"Received ping from {host} in {diff} ms")
    s.close()
except socket.timeout:
    print("Request timed out")
```

except socket.error:

print("Request timed out")

if \_\_name\_\_ == "\_\_main\_\_":
 ping\_server()

input: ping

output:

Received ping from ('127.0.0.1', 12345) in 0.01 seconds.

result:

Thus ping program implemented successfully.