

Example 13:
 25/9/25
 Implement your own ping program

Aim:

To implement your own ping program.

Algorithm:

```

import socket
import time

def ping_server(host, port):
    with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
        s.settimeout(2)
        start = time.time()
        s.sendto(b'ping', (host, port))
        data, addr = s.recvfrom(1024)
        end = time.time()
        if b'received' in data.decode():
            return end - start
        except socket.timeout:
            print("Request timed out")
    if __name__ == "__main__":
        ping_server
  
```

input: ping

output: Received ping from ('127.0.0.1', 12345) in 0.00 seconds.

Result:

Thus ping program implemented Successfully.