

# **CS19541-COMPUTER NETWORKS-LAB MANUAL**

## **Practical 13**

**AIM: - Implement your own ping program**

**Algorithm:**

```
import os
import platform
import subprocess

def ping(host="google.com", count=2):
    param = '-n' if platform.system().lower() == 'windows' else '-c'
    command = ["ping", param, str(count), host]
    try:
        output = subprocess.check_output(command, universal_newlines=True)
        print(output)
    except Exception as e:
        print(f"Ping failed: {e}")

if __name__ == "__main__":
    ping("8.8.8.8")
```

**Output:-**

Pinging 8.8.8.8 with 32 bytes of data:  
Reply from 8.8.8.8: bytes=32 time=25ms TTL=117  
Reply from 8.8.8.8: bytes=32 time=28ms TTL=117

Ping statistics for 8.8.8.8:  
Packets: Sent = 2, Received = 2, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 25ms, Maximum = 28ms, Average = 26ms