Implement your own ping program

Aim:

To implement a program that sends ICMP Echo Requests (ping) to a host & displays the response time.

Code:

```python
import os
import platform
import subprocess
def ping (nost = "google.com", count=4):
    Param = "-n" if platform.system().lower()
                == "windows" else;
    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")
```

Input:

```
Ping ("8.8.8.8")
```

Output

Ping 8.8.8.8 (8.8.8.8) 56 (84) bytes of data.

64 bytes from 8.8.8.8 icmp_seq =1 ttl = 118 time=15.2ns.

Result:

The program successfully pinged 8.8.8.8 & displayed the round trip time for each packet network using python.