

Implement your own ping program

AIM:

To implement your own ping program in python

Algorithm:-

- * Import necessary libraries: os, platform, subprocess
- * Detect operating system to choose correct
- * Build ping command with target host & count
- * Execute command using subprocess check output
- * Display ping result or error message.

Code:

```
import os
import platform
import subprocess

def ping (host= "google.com", count= 4)
    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("ping failed: %s" % e)

if __name__ == '__main__':

ping('8.8.8.8')

Input:

Ping

Output:

Received ping from ('8.8.8.8', 12345) in 0.01

Pinging 8.8.8.8 with 32 bytes of data:

Packet sent=4, Received=4, lost=0 (0% loss)

Result:

Ping program in python was implemented

✓ & executed.

⑨