

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 as array 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:
```

accept exception case!

Printf ("Ping Failed: %d")

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 byte of data

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

Result:

Ping program in python was implemented
and executed.

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