

EXPERIMENT – 13

AIM: - Implement your own ping program.

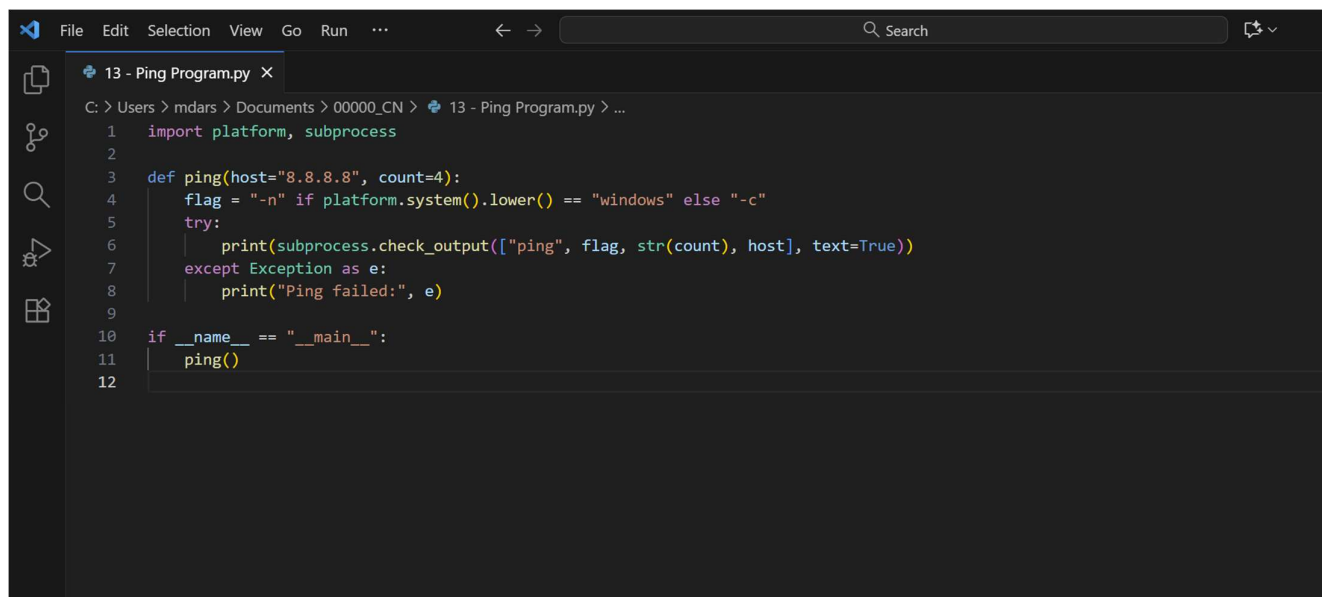
CODE:

```
import platform, subprocess

def ping(host="8.8.8.8", count=4):
    flag = "-n" if platform.system().lower() == "windows" else "-c"
    try:
        print(subprocess.check_output(["ping", flag, str(count), host], text=True))
    except Exception as e:
        print("Ping failed:", e)

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

OUTPUT: -

A screenshot of a code editor window titled "13 - Ping Program.py". The editor shows the same Python code as in the previous block. The file explorer on the left shows the file is located at "C:\Users> mdars > Documents > 00000_CN > 13 - Ping Program.py". The code is as follows:

```
1 import platform, subprocess
2
3 def ping(host="8.8.8.8", count=4):
4     flag = "-n" if platform.system().lower() == "windows" else "-c"
5     try:
6         print(subprocess.check_output(["ping", flag, str(count), host], text=True))
7     except Exception as e:
8         print("Ping failed:", e)
9
10 if __name__ == "__main__":
11     ping()
12
```

```
Command Prompt
Microsoft Windows [Version 10.0.26200.7019]
(c) Microsoft Corporation. All rights reserved.
The system cannot find the path specified.

C:\Users\mdars>ping www.google.com

Pinging www.google.com [2404:6800:4007:835::2004] with 32 bytes of data:
Reply from 2404:6800:4007:835::2004: time=6ms
Reply from 2404:6800:4007:835::2004: time=9ms
Reply from 2404:6800:4007:835::2004: time=5ms
Reply from 2404:6800:4007:835::2004: time=6ms

Ping statistics for 2404:6800:4007:835::2004:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 9ms, Average = 6ms
```

RESULT: -

Implemented my own ping program.