DEVELOP A CUSTOMIZED PING COMMAND TO TEST THE SERVER CONNECTIVITY.

AIM:

To develop a customized ping command to test the server connectivity.

IMPORTANT POINTS:

=> Uses ping3 python package to send ICMP ping requests

=> Takes user input for the hostname or IP address to ping.

=> Sends multiple ping requests to check connectivity.

=> Measures and displays the round-trip time for each successful ping.

=> Handles request timeouts gracefully and reports failures.

=> Summarizes the number of successful replies to indicate if the host is reachable.

PROGRAM:

```
from ping3 import ping
host = input ( " Enter the host Name
                            ( eg. google.com )")
count = 4
success-count = 0
print ( f "\n Pinging { host } { count } times...\n")
for i in range (count):
    delay = ping (host, timeout = 2)
    if delay is None:
        print ( f " ping { i+1 } : request
                                timed out .")
    else :
        print ( f " ping { i+1 } : Raplay from
        { host } - time = { delay * 1000 : .2f } ms")
```

```
        success-count +=1
if success-count >0:
    print(f"\nconnection established with
        {host}, {success-count} | {count}
                replies received.")
else:
    print (f"\nconnection failed.
            No reply from {host}.")
```

Result:

The customized Ping command to test the server connectivity is developed successfully.