

## Program 2

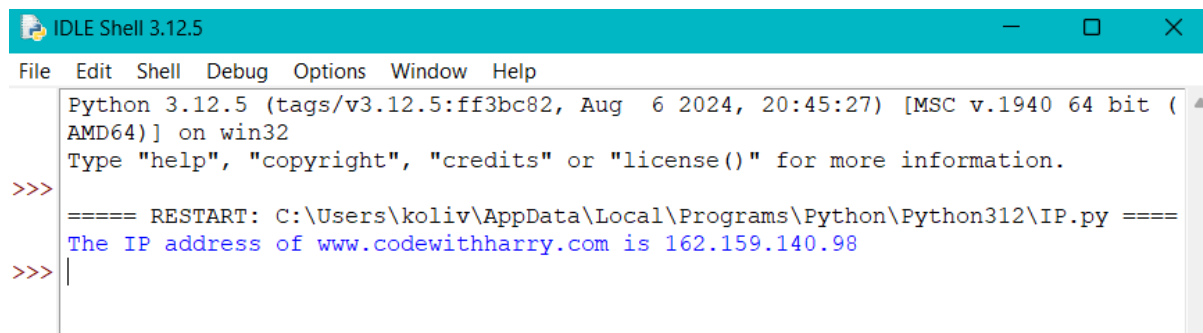
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```
import socket

def get_remote_ip(hostname):
    try:
        # Get the IP address of the remote computer
        ip_address = socket.gethostbyname(hostname)
        return ip_address
    except socket.error as err:
        return f"Error: {err}"

# Example usage
remote_hostname = 'www.codewithharry.com'
ip = get_remote_ip(remote_hostname)
print(f"The IP address of {remote_hostname} is {ip}")
```

### Output :

A screenshot of the IDLE Shell 3.12.5 window. The title bar is teal with the text 'IDLE Shell 3.12.5' and standard window controls. The menu bar includes 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The shell area shows the Python 3.12.5 startup message: 'Python 3.12.5 (tags/v3.12.5:ff3bc82, Aug 6 2024, 20:45:27) [MSC v.1940 64 bit (AMD64)] on win32'. Below this, it says 'Type "help", "copyright", "credits" or "license()" for more information.' The prompt '>>>' is followed by a restart message: '==== RESTART: C:\Users\koliv\AppData\Local\Programs\Python\Python312\IP.py ===='. The output of the program is displayed in blue text: 'The IP address of www.codewithharry.com is 162.159.140.98'. The prompt '>>>' is followed by a vertical bar '|', indicating the cursor is ready for the next command.

```
IDLE Shell 3.12.5
File Edit Shell Debug Options Window Help
Python 3.12.5 (tags/v3.12.5:ff3bc82, Aug 6 2024, 20:45:27) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\koliv\AppData\Local\Programs\Python\Python312\IP.py ====
The IP address of www.codewithharry.com is 162.159.140.98
>>> |
```