Question 4:

Write a Python script to determine which ports are open and display the information in a tidy format. Where port 22 is shown as open display the word "SSH" where port 80 is shown as open display the word "HTTP". Take screenshots of the code running on your system. Save them to a file named L0012345_Q4_File_1 where L0012345 is replace by your own L number. Save the script as L0012345_Q4_File_2

1. Code ScreenShot

```
import socket
import subprocess
def port_scan():
 if port == 22:
```

```
except socket.gaierror:
    print('Hostname could not be resolved. Exiting')
    sys.exit()

except socket.error:
    print("Couldn't connect to server")
    sys.exit()

# Checking the time again
    t2 = datetime.now()

# Calculates the difference of time, to see how long it took to run the script
    total = t2 - t1

# Printing the information to screen

# Print a nice banner with information on which host we are about to scan
    print("")
    print("-" * 60)

print('Scanning Completed in: ', total)

print("-" * 60)

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

1. Code execute

