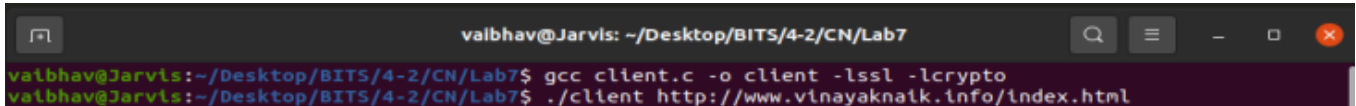# Computer Networks Lab 7

Name: Vaibhav Chaudhari

ID: 2017B5A70834G

Write TCP client to download and locally save a file.
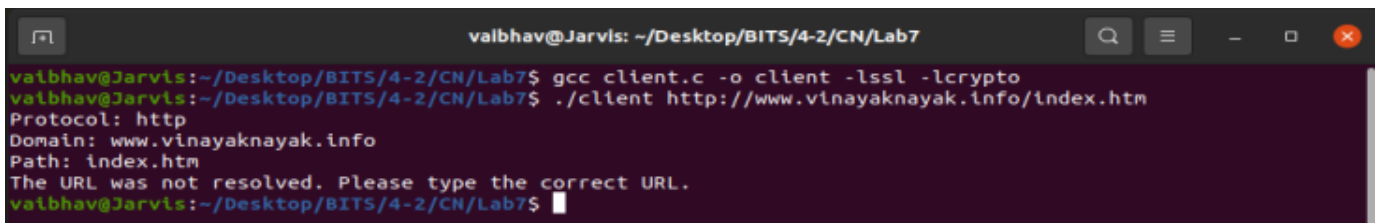
1. The client, as a command-line argument, accepts the URL of the file. The URL can be HTTP or HTTPS-based. (2 marks)

Url of the file is: **http://www.vinayaknaik.info/index.html** which is taken as Command Line Argument.
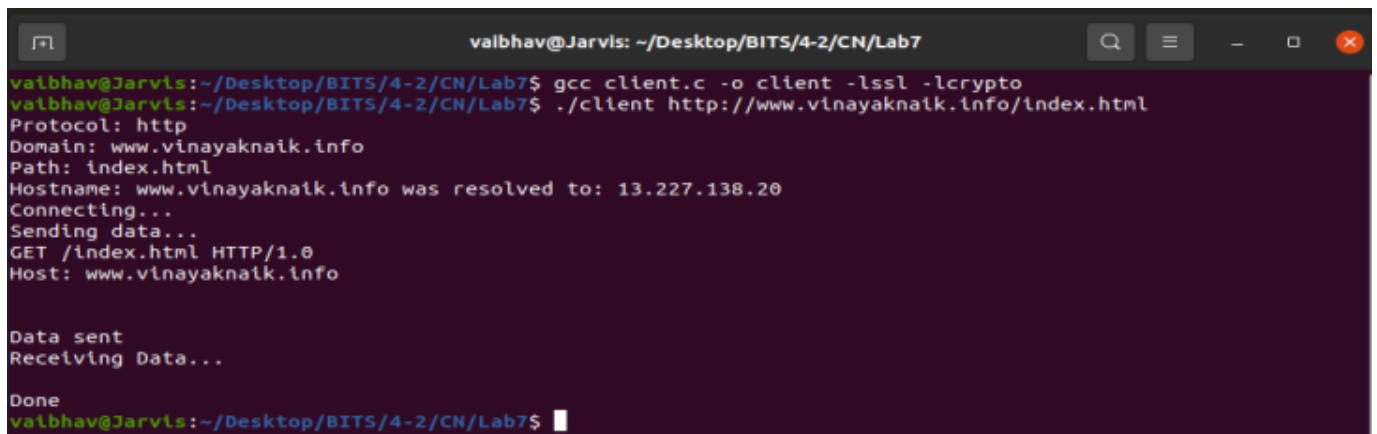
2. If the URL does not exist or unreachable, the client prints an error and exits. (2 marks)

The incorrect url given is : **http://www.vinayaknayak.info/index.html** which is the incorrect URL. The client code identifies it and gives the error message and exits.

3. After connecting to the server, the client sends a GET request to the server. (2 marks)
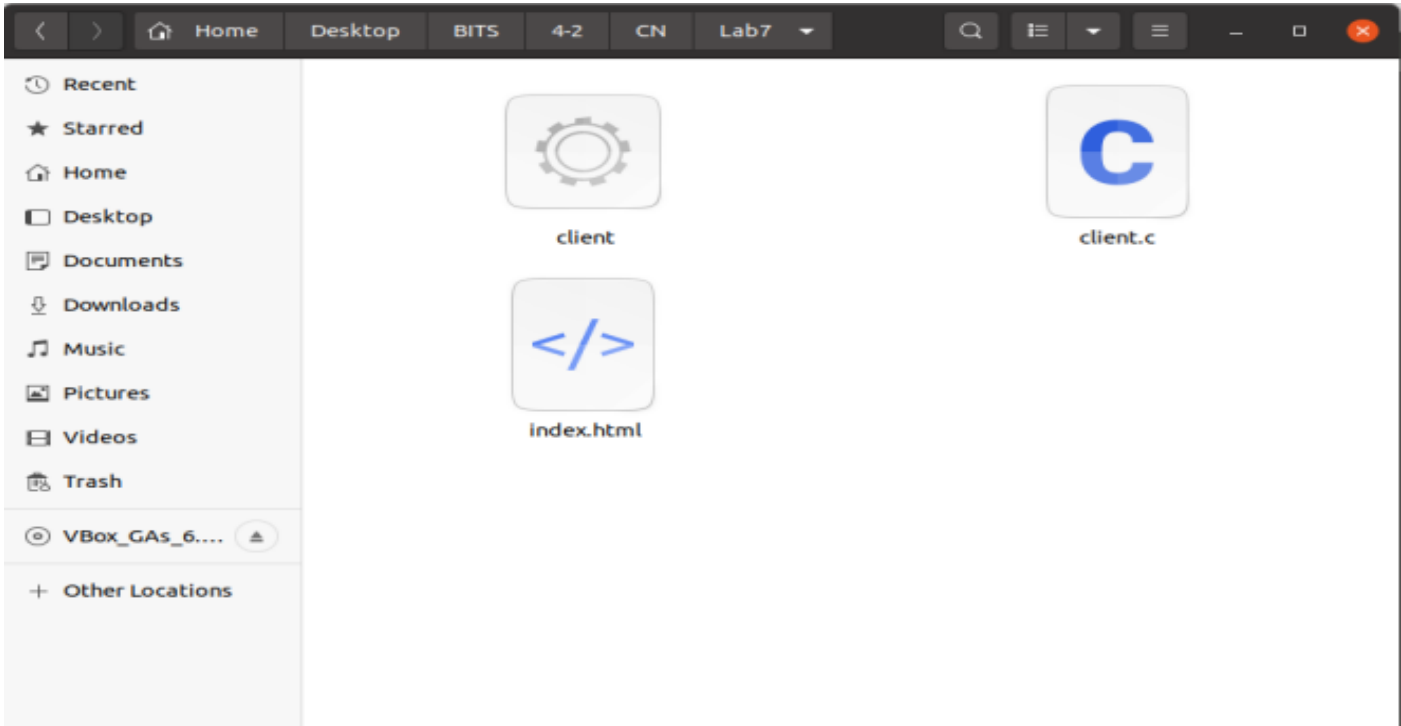

Client sends a get request to the server.

4. The client downloads the whole file and saves it to the local folder with the same file name as mentioned in the URL. (8 marks)

The file is downloaded in the same folder with the same name which is mentioned in the URL.
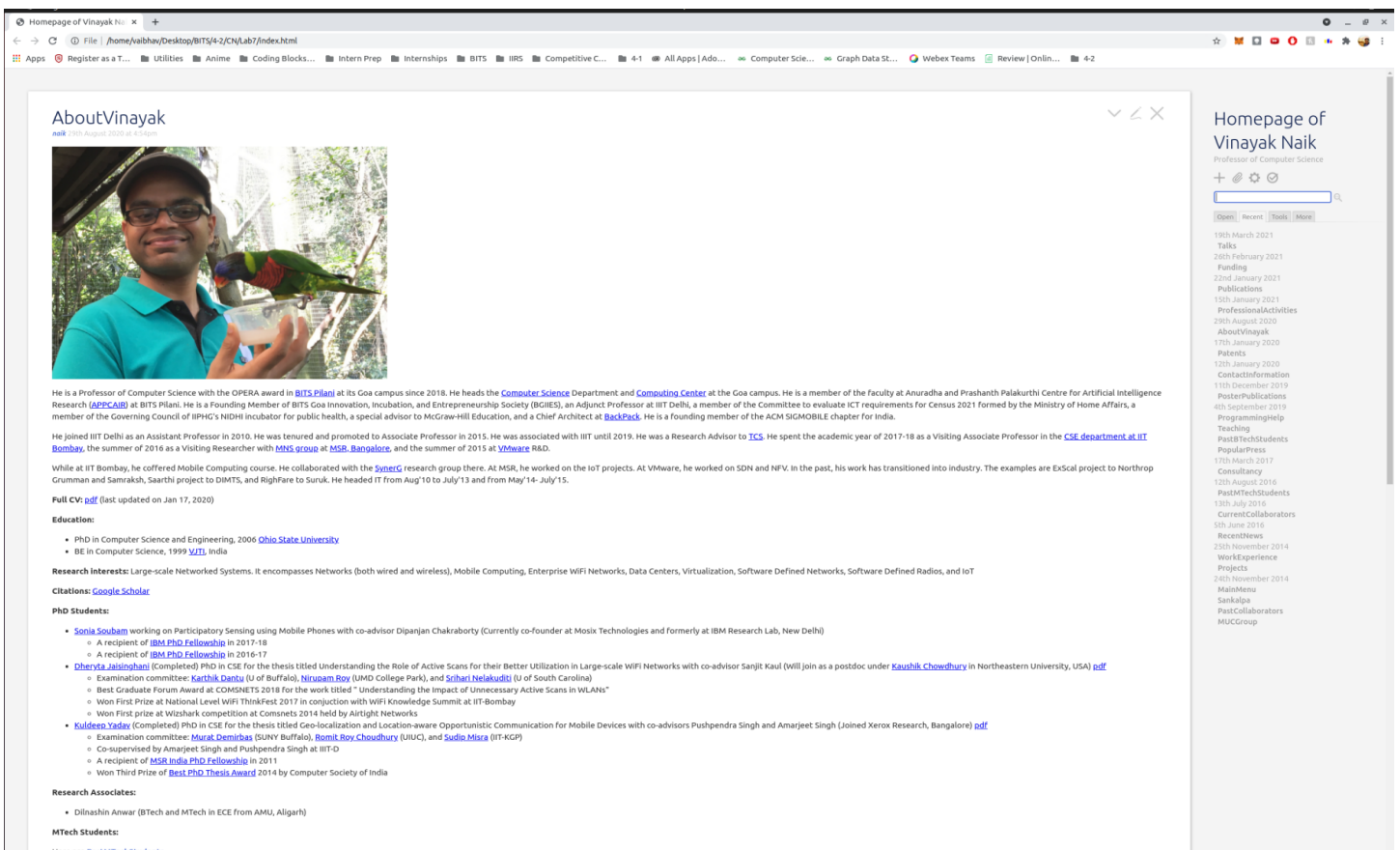
The file is opening as seen in the above picture.

5. If a file with the same name exists, the old file is overwritten. (1 mark)

When the same file is again downloaded, the old file is overwritten in the same folder.

The overwritten file can be seen in the folder.

6. The client exits after downloading the file. (1 mark)

The client exits after downloading the file everytime.

We can even download pdf from the net using this. Below screenshot shows this

URL : http://www.axmag.com/download/pdfurl-guide.pdf