



Department of Computer Engineering

Computer Networking

Computer assignment #1

**Due Sunday, April 4, 2021, till 23:59**

1. Develop a simple Web server in Python (or any language you prefer) that is capable of processing only one request. Specifically, your Web server will
  - a. create a connection socket when contacted by a client (browser)
  - b. receive the HTTP request from this connection
  - c. parse the request to determine the specific file being requested
  - d. get the requested file from the server's file system
  - e. create an HTTP response message consisting of the requested file preceded by header lines
  - f. send the response over the TCP connection to the requesting browser.
    - If a browser requests a file that is not present in your server, your server should return a "404 Not Found" error message. (Include your codes separately)
    - Run your code on localhost
2. Develop a simple mail client that sends email to any recipient. Your client will need to connect to a mail server, dialogue with the mail server using the SMTP protocol, and send an email message to the mail server.

Note:

explain what you did step by step with screenshots of your results.

Include your code sources.

All codes will be reviewed so do not cheat.

