Advanced Programming

Lab # 2– INTERPRETER

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# Documentation

Public repo: <https://github.com/talalmts/CS-213-Advanced-Programming.git>

# Web Server:

This is a basic implementation of web server which handle request from the browser on the localhost: 5001.

Handles three types of Http method:

### GET:

Get the file from the get method and display the content of the file in the browser by writing to the output stream. The GET method means retrieve whatever information (in the form of an entity) is identified by the Request-URI. If the Request-URI refers to a data-producing process, it is the produced data which shall be returned as the entity in the response and not the source text of the process, unless that text happens to be the output of the process.

### POST:

Implements POST method by sending a file from the directory to the workspace. The POST method is used to request that the origin server accept the entity enclosed in the request as a new subordinate of the resource identified by the Request-URI in the Request-Line. POST is designed to allow a uniform method to cover the following functions.

### HEAD:

The meta-information contained in the HTTP headers in response to a HEAD request SHOULD be identical to the information sent in response to a GET request. This method can be used for obtaining meta-information about the entity implied by the request without transferring the entity-body itself. This method is often used for testing hypertext links for validity, accessibility, and recent modification.