

ReadME.pdf

Assignment #2 plain-text file

Server section:

- Server execution:

- compile:

```
- gcc server.c -o serverBinary
```

- ./serverBinary <port>

```
- ./serverBinary 9999
```

- Server functionality:

1. The Server read a line from a server as follow (OP 1 2 3 4 5 8), op: operation:
 - a. if the op is EVN it will return to the client the summation of the even numbers.
 - b. if the op is ODD it will return to the client the summation of the odd numbers.
 - c. if there is one number after the op it will return "Enter more than one number".
 - d. other than these to operation it will return "Unsupported operation".
2. The Server could handle only 4 clients at the same time, when any of the four clients terminate it serves the next Blocked connection.

3. the server use "INADDR_ANY" as an address, Which allows him to receive packets that have been targeted by any of the interfaces.
4. it logs every operation and it status on a file named connlog.log(create it if not exist).

Client Section:

- Client execution:

- compile:

```
- gcc client.c -o clientBinary
```

- ./clientBinary <IP> <PORT> <Wait-Time> <File>

```
./clientBinary 127.0.0.1 9999 2000 test.txt
```

- Client Functionality:

1. The Client read line by line from the given file.
2. Send each line to the server that contains an operation and a sequence of numbers.
 - The supported operations: EVN, ODD
3. Receives the result from the server and prints it in a good format.
4. Sleep (Wait-time) that had entered between sending subsequent requests to the server