## Pranjali Bajpai - 2018EEB1243

## **CSL303 Assignment 1**

# **Screenshots**

### **SERVER SIDE**

```
pranjali@DESKTOP.PERRISN:~/os/al/src$ gcc server.c function.c -o server -pthread -ldl -ljson-c
pranjali@DESKTOP.PERRISN:~/os/al/src$ ./server 5500 6 10 10000

{|Success: Server program starting
|-|Success: Server program starting
|-|Success: Server program starting
|-|Success: Listening for clients on port: 5500
|-|Success: Inread received: { "Dit Name": "\/lib\/x86_64-linux-gnu\/libm.so.6", "Function Name": "cos", "Arguments": [ "1.2" ] }
|-|Success: Message received: { "Dit Name": "\/lib\/x86_64-linux-gnu\/libm.so.6", "Function Name": "cos", "Arguments": [ "1.2" ] }
|-|Success: Listening for clients on port: 5500
|-|Success: Listening for clien
```

#### **CLIENT SIDE**

```
pranjali@DESKTOP-PE8R3SN:~/os/a1/src$ gcc client.c function.c -o client -ljson-c -ldl
pranjali@DESKTOP-PE8R3SN:~/os/a1/src$ ./client 5500 /lib/x86_64-linux-gnu/libm.so.6 cos 1.2
[+]Success: Client program starting
[+]Success: Client Socket created successfully with file descriptor 3
[+]Success: Connection established successfully between client and server
[+]Success: Message send to server
[+]Success: Acknowledgement from server: Message Received
[+]Success: Closed Client Socket fd
pranjali@DESKTOP-PE8R3SN:~/os/a1/src$ ./client 5500 /lib/x86_64-linux-gnu/libm.so.6 pow 3 4
[+]Success: Client program starting
[+]Success: Client Socket created successfully with file descriptor 3
[+]Success: Connection established successfully between client and server
[+]Success: Message send to server
[+]Success: Acknowledgement from server: Message Received
[+]Success: Closed Client Socket fd
```

## **Test Program**

```
[+]Success: Result of cos(1.200000) = 0.362358
[+]Test Case 1: Passed
[+]Success: Result of floor(4.900000) = 4.000000
[+]Test Case 2: Passed
[+]Success: Result of abs(-16) = 16
[+]Test Case 3: Passed
[+]Success: Result of pow(3.000000, 2.000000) = 9.000000
[+]Test Case 4: Passed
[-]Error: Cannot open DLL
[+]Test Case 5: Passed
[*]Info: Supported functions are: floor, cos, pow, abs [+]Test Case 6: Passed
-[+]Success: Result of cos(1.200000) = 0.362358
[+]Test Case 1: Passed
[+]Success: Result of floor(4.700000) = 4.000000
|[+]Test Case 2: Passed
[+]Success: Result of abs(-12) = 12
[+]Test Case 3: Passed
[+]Success: Result of pow(3.000000, 4.000000) = 81.000000
[+]Test Case 4: Passed
[-]Error: Cannot open DLL
[+]Test Case 5: Passed
[*]Info: Supported functions are: floor, cos, pow, abs [+]Test Case 6: Passed
[*]Info: Current Files: 4
[*]Info: Current Memory: 900
.[+]Test Case 1: Passed
[*]Info: Current Files: 4
[*]Info: Current Memory: 900
[+]Test Case 2: Passed
[*]Info: Current Memory: 1100
[*]Info: Memory Limit Exceeded. Waiting for a thread to free memory
[+]Test Case 3: Passed
[*]Info: Current Files: 8
[*]Info: Current Memory: 900
[*]Info: File Limit Exceeded. Waiting for a thread to free files
[+]Test Case 4: Passed
[*]Info: Current Files: 8
[*]Info: Current Memory: 1000
[*]Info: File Limit Exceeded. Waiting for a thread to free files
[*]Info: Memory Limit Exceeded. Waiting for a thread to free memory
[+]Test Case 5: Passed
```