


# NES416 Assignment (1)

Sample runs snapshots

```
pinkpanther@dell:~/Desktop/NetAss1$ ./Server 5662
Socket Created Successfully
Socket State switched To: PASSIVE_LISTENING

.... Waiting for New Session ....
```



..

```
pinkpanther@dell:~/Desktop/NetAss1$ ./Client 127.0.0.1 5662
Socket Created Successfully: SockNO: 3
Socket Binded Success.
Built Server Address: 127.0.0.1
```

```
-> Welcome to NetCalclater!
```

```
Please Enter Expression or Type (exit) to quit.
```

```
█
```



```
..
```

```
pinkpanther@dell:~/Desktop/NetAss1$ ./Client 127.0.0.1 5662
Socket Created Successfully: SockNO: 3
Socket Binded Success.
Built Server Address: 127.0.0.1
```

-> Welcome to NetCalculator!

Please Enter Expression or Type (exit) to quit.

5\*3

(127.0.0.1, 5662) 15.000000

Please Enter Expression or Type (exit) to quit.

█



.

```
pinkpanther@dell:~/Desktop/NetAss1$ ./Server 5662
Socket Created Successfully
Socket State switched To: PASSIVE_LISTENNING
```

.... Waiting for New Session ....

Connection Accepted from: 127.0.0.1 for Sock#:4

----- NEW SESSION -----

Waiting for client request:

Client:(127.0.0.1, 55052):5\*3

Numeric Exp is: (5\*3)

@Sending Result to the client: (15.000000)

-----  
Waiting for client request:

█



..

```
pinkpanther@dell:~/Desktop/NetAss1$ ./Client 127.0.0.1 5662
Socket Created Successfully: SockNO: 3
Socket Binded Success.
Built Server Address: 127.0.0.1
```

-> Welcome to NetCalculater!

Please Enter Expression or Type (exit) to quit.

5\*3

(127.0.0.1, 5662) 15.000000

Please Enter Expression or Type (exit) to quit.

6\* 4

(127.0.0.1, 5662) 24.000000

Please Enter Expression or Type (exit) to quit.

█

..

```
pinkpanther@dell:~/Desktop/NetAss1$ ./Server 5662
Socket Created Successfully
Socket State switched To: PASSIVE_LISTENNING
```

.... Waiting for New Session ....

Connection Accepted from: 127.0.0.1 for Sock#:4

----- NEW SESSION -----

Waiting for client request:

Client:(127.0.0.1, 55052):5\*3

Numeric Exp is: (5\*3)

@Sending Result to the client: (15.000000)

-----

Waiting for client request:

Client:(127.0.0.1, 55052): 6\* 4

Numeric Exp is: (6\*4)

@Sending Result to the client: (24.000000)

-----

Waiting for client request:

█

..



```
pinkpanther@dell:~/Desktop/NetAss1$ ./Client 127.0.0.1 5662
Socket Created Successfully: SockNO: 3
Socket Binded Success.
Built Server Address: 127.0.0.1
```

```
-> Welcome to NetCalclater!
```

```
Please Enter Expression or Type (exit) to quit.
```

```
5*3
```

```
(127.0.0.1, 5662) 15.000000
```

```
Please Enter Expression or Type (exit) to quit.
```

```
6* 4
```

```
(127.0.0.1, 5662) 24.000000
```

```
Please Enter Expression or Type (exit) to quit.
```

```
36 / 44
```

```
(127.0.0.1, 5662) 0.818182
```

```
Please Enter Expression or Type (exit) to quit.
```

```
█
```

```
..
```

```
Socket Created Successfully: SockNO: 3
Socket Binded Success.
Built Server Address: 127.0.0.1
```

```
-> Welcome to NetCalclater!
```

```
Please Enter Expression or Type (exit) to quit.
```

```
5*3
```

```
(127.0.0.1, 5662) 15.000000
```

```
Please Enter Expression or Type (exit) to quit.
```

```
6* 4
```

```
(127.0.0.1, 5662) 24.000000
```

```
Please Enter Expression or Type (exit) to quit.
```

```
36 / 44
```

```
(127.0.0.1, 5662) 0.818182
```

```
Please Enter Expression or Type (exit) to quit.
```

```
exit
```

```
(127.0.0.1, 5662) 0.818182
```

```
Client Terminates ... Good Bye
```

```
pinkpanther@dell:~/Desktop/NetAss1$
```

```
..
```

```
----- NEW SESSION -----  
  
Waiting for client request:  
Client:(127.0.0.1, 55052):5*3  
Numeric Exp is: (5*3)  
@Sending Result to the client: (15.000000)  
  
-----  
Waiting for client request:  
Client:(127.0.0.1, 55052):      6*      4  
Numeric Exp is: (6*4)  
@Sending Result to the client: (24.000000)  
  
-----  
Waiting for client request:  
Client:(127.0.0.1, 55052):      36    /    44  
Numeric Exp is: (36/44)  
@Sending Result to the client: (0.818182)  
  
-----  
Waiting for client request:  
Client:(127.0.0.1, 55052):exit  
  
@Connection Closed  
  
.... Waiting for New Session ....
```

**The End.**