

Course : OS

Assignement : (3)

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Section : (4)



After editing the server code file (socket_server.c) :

Lets run it using(ubuntu terminal) :



lux
hands

```
mohamed@DESKTOP-QIN2D8F: /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F: /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:~$ cd /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ gcc socket_server.c
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ ./a.out
Configuring local address...
Creating socket...
Binding socket to local address...
Listening...
Waiting for connection...

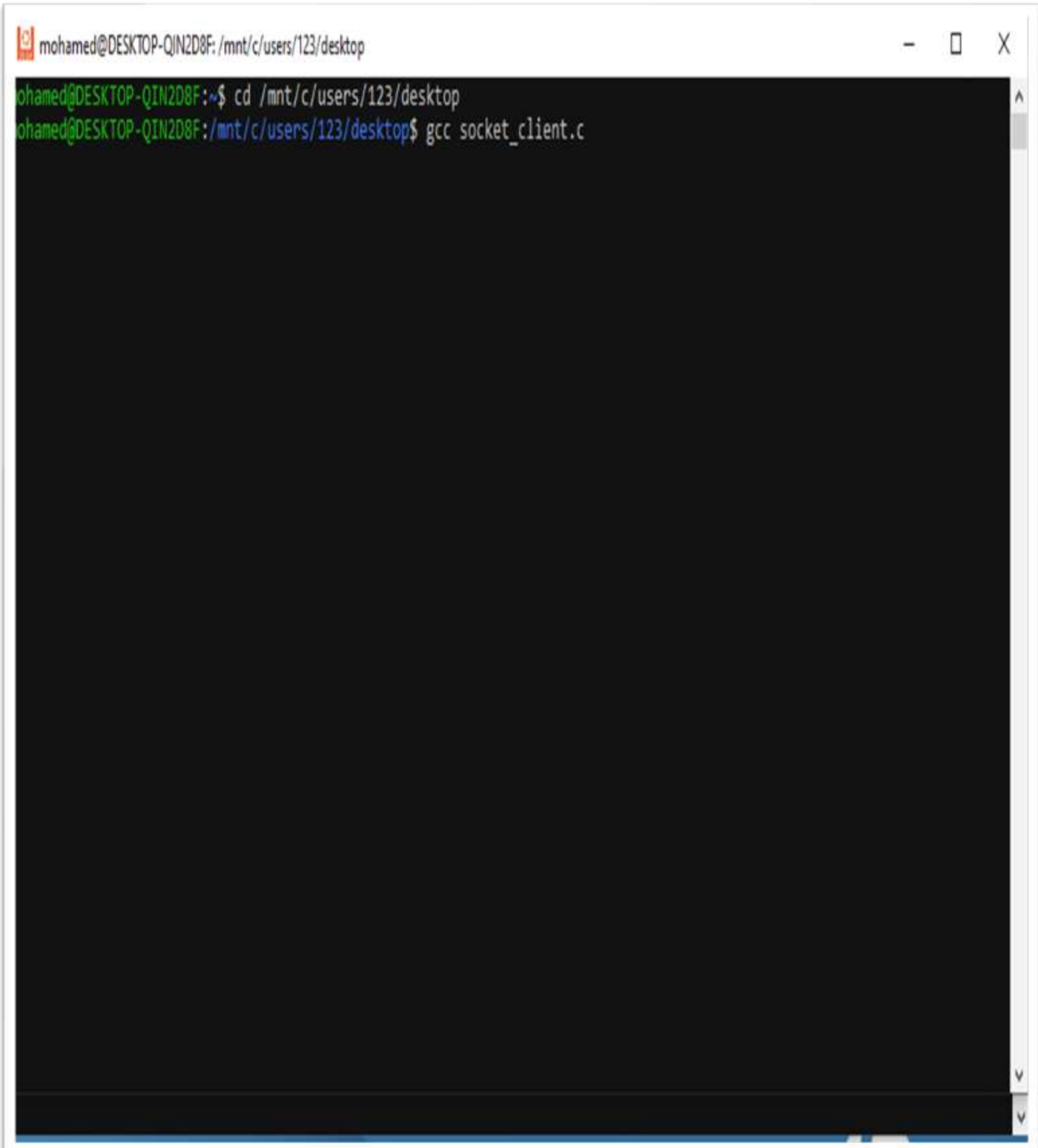
```

base
ject



The , **After editing the client code file** (socket_client.c) :

Lets run it using(ubuntu terminal) :

A screenshot of a terminal window with a black background and green text. The window title bar shows 'mohamed@DESKTOP-QIN2D8F: /mnt/c/users/123/desktop'. The terminal content shows two commands: 'cd /mnt/c/users/123/desktop' and 'gcc socket_client.c'.

```
mohamed@DESKTOP-QIN2D8F: /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:~$ cd /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ gcc socket_client.c
```

Finally connection between them successfully happens :

```
mohamed@DESKTOP-QIN2D8F: /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:~$ cd /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ gcc socket_server.c
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ ./a.out
Configuring local address...
Creating socket...
Binding socket to local address...
Listening...
Waiting for connection...
Reading request...
Received 21 bytes.
  Mohamed_Ahmed_Zaki
Sending response...
Sent 29 of 29 bytes.
Closing connection...
Closing listening socket...
Finished.
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$
```

```
mohamed@DESKTOP-QIN2D8F: /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:~$ cd /mnt/c/users/123/desktop
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ gcc socket_client.c
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$ ./a.out
Configuring remote address...
Creating socket...
Connecting...
Connected.
Sending request...
Sent 21 of 21 bytes.
Received (30 bytes): Hello      Mohamed_Ahmed_Zaki
Closing socket...
Finished.
mohamed@DESKTOP-QIN2D8F:/mnt/c/users/123/desktop$
```