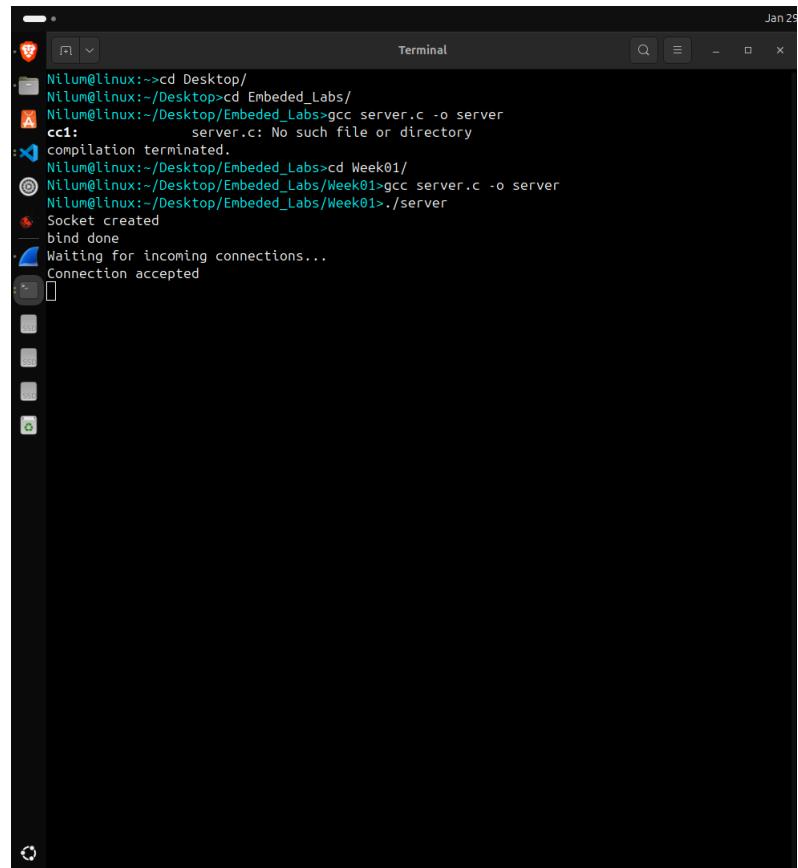


Client and Server Running Demo.  
230415H  
Mudaliarachchi N.S



The screenshot shows a Linux terminal window titled "Terminal" with the date "Jan 25" in the top right corner. The terminal window has a dark background and light-colored text. It displays the following command-line session:

```
Nilum@linux:~/Desktop/
Nilum@linux:~/Desktop>cd Embedded_Labs/
Nilum@linux:~/Desktop/Embedded_Labs>gcc server.c -o server
cc1: warning: server.c: No such file or directory
compilation terminated.
Nilum@linux:~/Desktop/Embedded_Labs>cd Week01/
Nilum@linux:~/Desktop/Embedded_Labs/Week01>gcc server.c -o server
Nilum@linux:~/Desktop/Embedded_Labs/Week01>./server
Socket created
bind done
Waiting for incoming connections...
Connection accepted
```

Fig: 01

This is the figure of the Server Side.  
The server is successfully socket, bind done and connection accepted.

The screenshot shows a terminal window titled "Terminal" with the following session log:

```
Jan 29 14:46 81%
Nilum@linux:~>cd D
Desktop/  Documents/ Downloads/
Nilum@linux:~>cd Desktop/
Nilum@linux:~/Desktop>cd Embeded_Labs/
Nilum@linux:~/Desktop/Embeded_Labs>cd Week01/
Nilum@linux:~/Desktop/Embeded_Labs/Week01>gcc client.c -o client
Nilum@linux:~/Desktop/Embeded_Labs/Week01>./client
Socket created
Connected

Enter message: Hello
Server reply:
Hello
Enter message: Nilum
Server reply:
Nilum
Enter message: Im Nilum
Server reply:
Im
Enter message: Server reply:
Nilum
Enter message: █
```

Fig: 02

As you can see in the figure, the socket is created and connected. Then the client send some messages and returns some replies from the server.