

9. Compile a simple C program on the Embedded Linux Board and execute it on the board

- Login to BBB board

\$ ssh debian@192.168.7.2

```
Debian GNU/Linux 12 BeagleBone ttyS0
BeagleBoard.org Debian Bookworm IoT Image 2023-10-07
Support: https://bbb.io/debian
default username:password is [debian:temppwd]

Web console: https://BeagleBone.localdomain:9090/

BeagleBone login: [ 58.396824] davinci-mcasp 48038000.mcasp: IRQ common not found
temppwd
Password:

Login incorrect
BeagleBone login: debian
Password:

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
debian@BeagleBone:~$
```

- Create a simple C program

\$ vim <filename>.c

- Run the program

\$ gcc <filename>.c

- Execute the file

\$./<filename>.out

(Print the output message successfully)

```
debian@BeagleBone:~$ vim main.c
debian@BeagleBone:~$ gcc main.c
debian@BeagleBone:~$ ./a.out
Hello World
```