

Assignment C-9

Q.1) What is ssh? Enlist common Linux commands

→ 1) ssh is Secure Shell.

2) It is one of the essential tools to master as a system administrator.

3) It is the common way to access remote Linux and Unix like services.

4) Basic Syntax:

The tool on Unix for connecting to a remote system using ssh is called .ssh.

\$ ssh remote -host

Linux commands:

a) LS.

g) touch

b) cd

h) rm

c) mv

i) locate

d) man

j) clear

e) mkdir

k) cmp

f) rmdir

Q2) Explain the stepper motor interfacing using Beaglebone Black embedded system?

→ 1) The Beaglebone Black Embedded System sized, runs the embedded linux.

2) A simple python module.

3) It works with a stepper control object

- 4) Currently the control uses full-step driver logic with wave drive available by changing stepper driver module.
- 5) After installing the Adcc-fruit-BB10 and BBY stepped on the Beagle-bone.
- 6) The module can be imported into a python script or run from python interpreter.

eg:-

```
from bby stepper import stepper
my stepped-stepper(1)
my stepped.rotate(180, 60)
my stepped.rotate(-180, 5)
my stepped angle.
```

By default, the GPIO pins used are P8-13, P8-14, P8-15 & P8-16. User can change & modify the pins.