Beaglebone Black

Revision A6,revision c

Do learning report

Six challenges

2 kinds of booting process in embedded:

There is main hardware (Beaglbone black). Software layer there are drivers. Drivers are of peripherals. Drivers work closely with hardware.

Application layer(User work here.. Write codes and call apis and drivers work accordingly and work with hardware)

Middleware(User defined API)

Os+drivers

Hardware

For specific board there are specific compilers.

For scheduling we need os. Drivers are not sufficient.

OS+ drivers are divided into 2 parts:

User defined drivers and kernel drivers.

Kernel drivers are those drivers which are responsible for scheduling kind of purpose.

In beaglebone there is debian os or angstrom os. Debian is latest one. Os will start booting hardware device and we need to type login and password. Process what happens till login and pwd we need to focus.

Practice on pre designed images and learn from it and then define our own images.

Task to blink led(Not so imp)

Recommended: 5v and 2 amp

AM3358BZCZ100 on REV C BBB Board