

# DSP 수업내용

# 70

커널 올리는 거 까지 오늘 할 거라 함.

## --SD Card Setting

```
siyun@siyun-CR62-6M:~$ cd ~/ti-processor-sdk-linux-am57xx-evm-04.03.00.05
```

```
siyun@siyun-CR62-6M:~/ti-processor-sdk-linux-am57xx-evm-04.03.00.05$ ls  
bin board-support docs example-applications filesystem linux-devkit linux-  
devkit.sh Makefile Rules.make setup.sh
```

여기서 sd 카드를 컴퓨터에 꽂은 후

```
siyun@siyun-CR62-6M:~/ti-processor-sdk-linux-am57xx-evm-04.03.00.05$ ./setup.sh
```

실행 -> 비밀번호 입력 -> 엔터 -> y -> y 엔터 엔터

minicom 이 나오면 /dev/ttyusb

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NOTE: If your using any of the above boards simply hit enter  
and the correct port will be determined automatically at a  
later step. For all other boards select the serial port  
that the board is connected to.

Which serial port do you want to use with minicom?

[ /dev/ttyS0 ] /dev/ttyusb

이후 sd 카드 나오는거 있으면 sd card 를 선택하며 진행한다.

이후 보드 연결하라는 문구가 나오면 Ctrl + c 를 눌러 강제 종료 한다!

```
siyun@siyun-CR62-6M:~/ti-processor-sdk-linux-am57xx-evm-04.03.00.05/bin$ sudo  
./create-sdcard.sh
```

비밀번호 입력

- y 입력

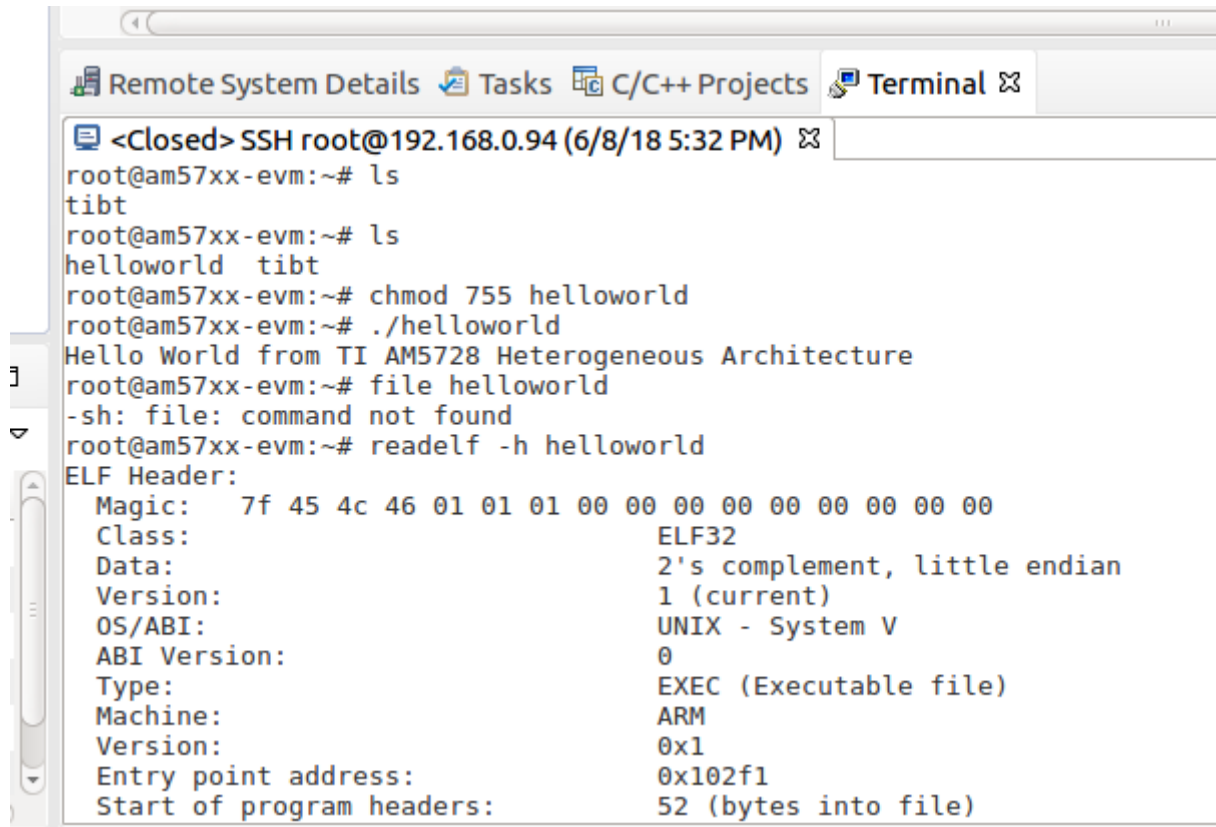
device number select - sd card size 나오는 번호 누르고 sd card 가 올바르게 선택 되었다고 한다.

선택하고나서 y 한다.

그다음 파티션 선택 boot, rootfs 가 필요하므로 2 번  
다음 y

1 번 - Install pre-built images from SDK 선택

끝



```
Remote System Details Tasks C/C++ Projects Terminal
<Closed> SSH root@192.168.0.94 (6/8/18 5:32 PM)
root@am57xx-evm:~# ls
tib
root@am57xx-evm:~# ls
helloworld tib
root@am57xx-evm:~# chmod 755 helloworld
root@am57xx-evm:~# ./helloworld
Hello World from TI AM5728 Heterogeneous Architecture
root@am57xx-evm:~# file helloworld
-sh: file: command not found
root@am57xx-evm:~# readelf -h helloworld
ELF Header:
  Magic:   7f 45 4c 46 01 01 01 00 00 00 00 00 00 00 00 00
  Class:                           ELF32
  Data:                             2's complement, little endian
  Version:                          1 (current)
  OS/ABI:                           UNIX - System V
  ABI Version:                      0
  Type:                             EXEC (Executable file)
  Machine:                           ARM
  Version:                           0x1
  Entry point address:               0x102f1
  Start of program headers:         52 (bytes into file)
```

```
Remote System Details Tasks C/C++ Projects Terminal ✖
<Closed> SSH root@192.168.0.94 (6/8/18 5:32 PM) ✖
Magic:  7f 45 4c 46 01 01 01 00 00 00 00 00 00 00 00 00
Class:                                     ELF32
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Version:                                 1 (current)
OS/ABI:                                  UNIX - System V
ABI Version:                             0
Type:                                    EXEC (Executable file)
Machine:                                 ARM
Version:                                 0x1
Entry point address:                     0x102f1
Start of program headers:                 52 (bytes into file)
Start of section headers:                 34396 (bytes into file)
Flags:                                    0x5000400, Version5 EABI, hard-float ABI
Size of this header:                      52 (bytes)
Size of program headers:                  32 (bytes)
Number of program headers:                8
Size of section headers:                  40 (bytes)
Number of section headers:                39
Section header string table index: 36
root@am57xx-evm:~# readelf -h helloworld
ELF Header:
  Magic:  7f 45 4c 46 01 01 01 00 00 00 00 00 00 00 00 00
```