Project 0: Warming Up
Project 0 (1)

- Set up your own project environment
  - Install Linux
  - Install all the required tools
  - Install Pintos
Project 0 (2)

- Add a new test code: print-name
  - Add a new kernel function which prints your name in ASCII text format
  - To run the new function, add a new command "print-name"
    - The following command should run your new function
      $ pintos run print-name
  - Work in the pintos/src/threads and pintos/src/tests/threads directories
Project 0 (3)

- Add a new test code: print-name
  
  - Print format
    - (print-name) Course : SSE3044
    - (print-name) ID : 2010000000
    - (print-name) Name : GilDong Hong

  - Capture screenshot
### Example:

![Bochs x86 emulator, http://bochs.sourceforge.net/](image)

**Bochs BIOS - build: 01/25/06**

$Revision: 1.160 $ $Date: 2006/01/25 17:51:49 $

Options: apmbios pcibios eltorito

ata0 master: Generic 1234 ATA-2 Hard-Disk (0 MBytes)

Booting from Hard Disk...
PiLo hdal
Loading.........
Kernel command line: run print-name
Pintos booting with 4,096 KB RAM...
383 pages available in kernel pool.
383 pages available in user pool.
Calibrating timer... 204,600 loops/s.
Boot complete.
Executing 'print-name':
(print-name) begin
(print-name) Course : SSE3044
(print-name) ID : 2007310048
(print-name) Name : JongSung Lee
(print-name) end
Execution of 'print-name' complete.
Submission (1)

- **Documentation**
  - A screen shot of “alarm-multiple”
  - A screen shot of “print-name”
  - Detailed explanation of how the “print-name” is handled and your name is printed by the kernel
  - File format – PDF format
  - File name – “GDHong_2013123456.pdf”

- **Source code**
  - Tar and gzip your Pintos source codes
    
    ```
    $ cd pintos
    $ (cd src/threads; make clean)
    $ tar cvzf GDHong_2013123456.tar.gz src
    ```
Submission (2)

- **Due**
  - 9. 11, 11:59PM
  - Send a e-mail to TA
    - [SSE3044] Student ID, Name
  - Good luck!
Tips

- **cscope & ctags**
  - You can easily read source code

- **grep –nr “text”**
  - You can find the line which has “text”

- **TA**
  - [gusqudgnskku@gmail.com](mailto:gusqudgnskku@gmail.com)