Assignment 0
Basics of Operating Systems

1) Understand the basics of Linux kernel from the web.
- Structure of the Linux kernel
- How to compile Linux kernel
- How to boot Linux kernel

2) Read about the BOSS MOOL operating systems from the web http://dos.iitm.ac.in/projects/bossmool/bossmool.html.
BOSS (Bharat Operating System Solutions) MOOL (Minimalistic Object Oriented Linux) .

3) Find the source code of BOSS MOOL operating system version 3.18.3 shared in the google drive.

4) Compile the source code to create its image and try to boot your system with it. You can also boot it using qemu hypervisor.

5) A document is also shared which explains the basic steps of compiling the kernel from source code.

6) Study the internal structure of the kernel. Understand the functionality of the files in the kernel source code such as sched.c, interrupt.c, timer.c, mm.c, etc.

7) Write a simple C++ device driver program and compile it using gccmool.

BOSS MOOL Source code link :
https://drive.google.com/open?id=0BzGLq1r8AY4oSGRHbWFPMmctYlE