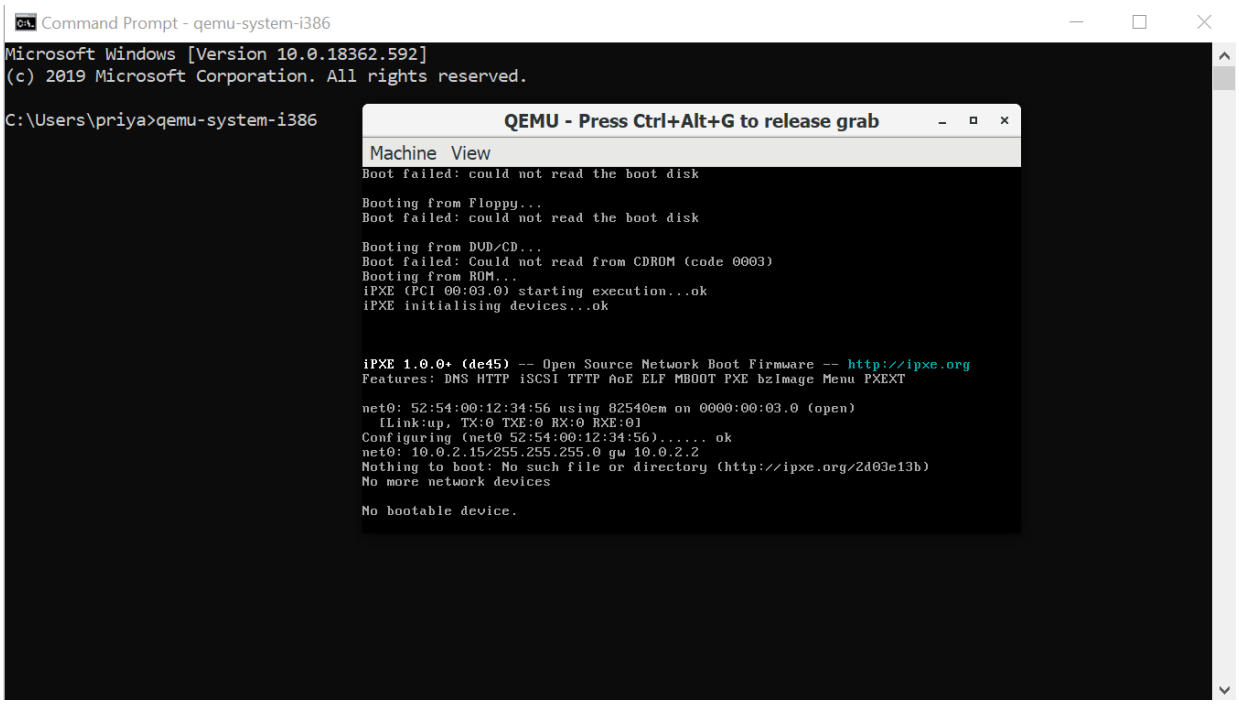
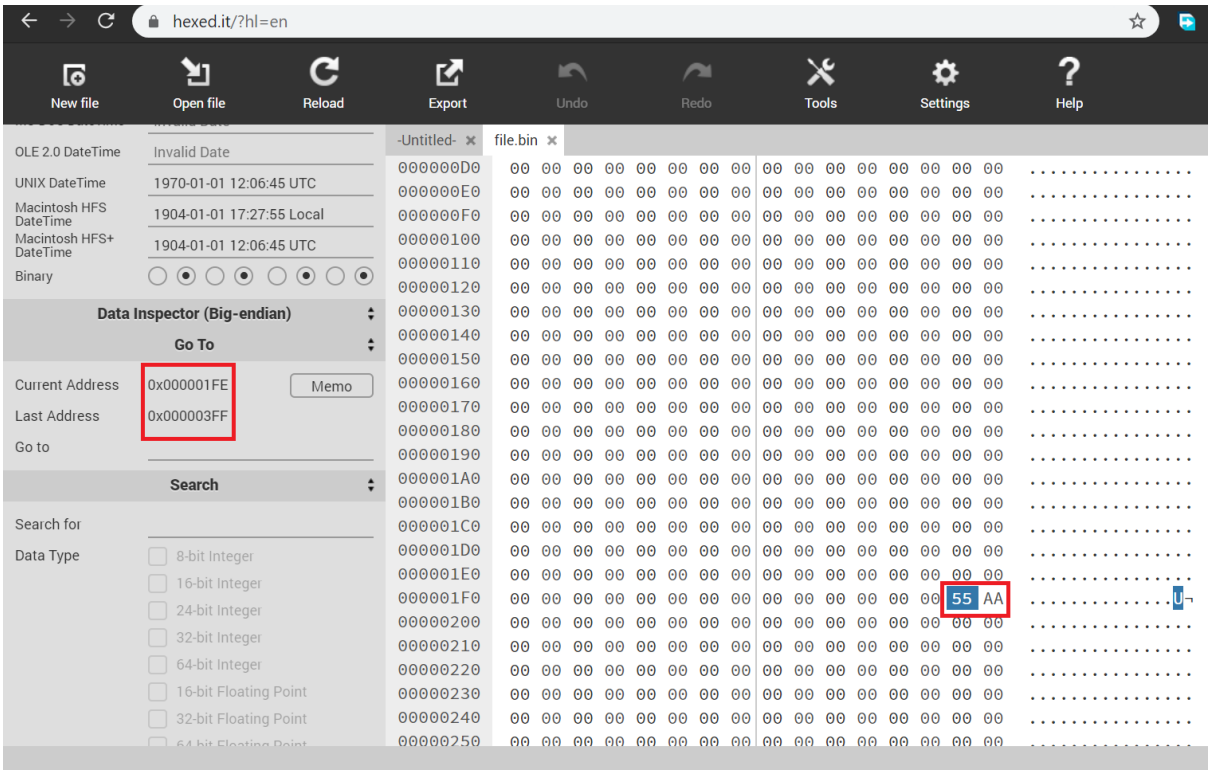
Usage guide for qemu and nasm:

1. Open terminal or cmd and type:
   qemu-system-i386
   It should open qemu and show no bootable disk found.

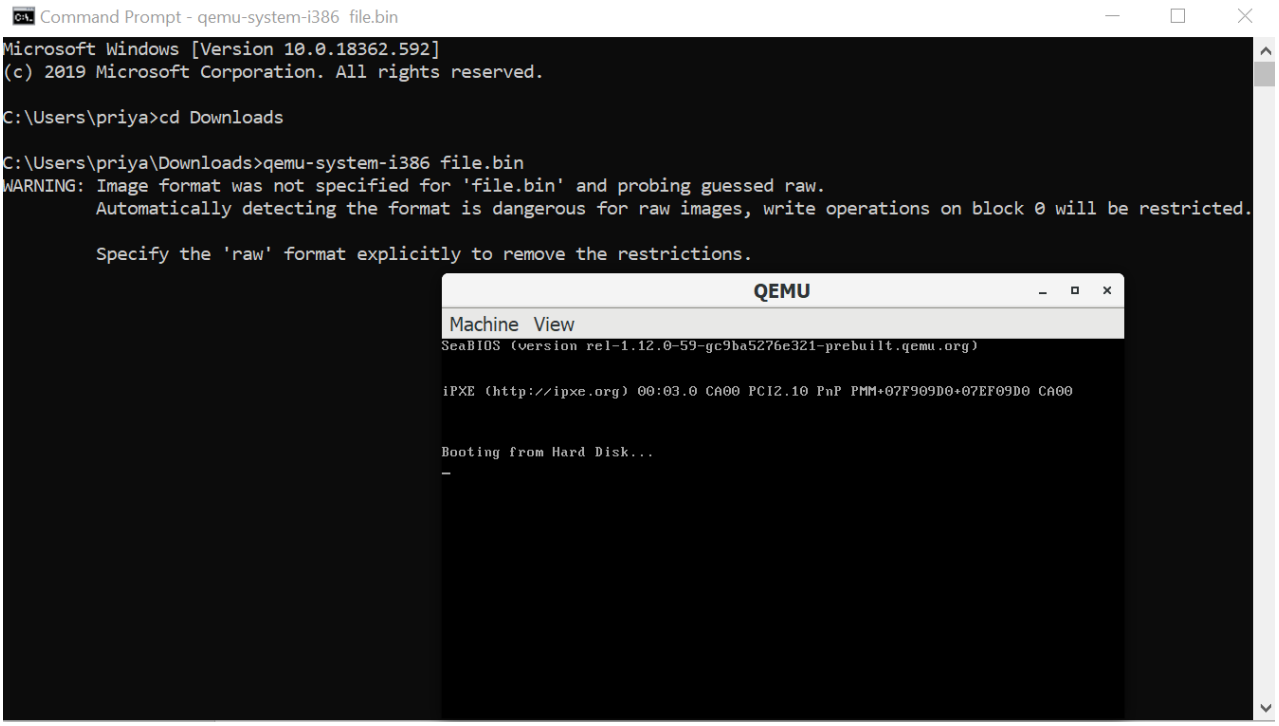


This means your emulator is up and working but we have not given it any file to open.

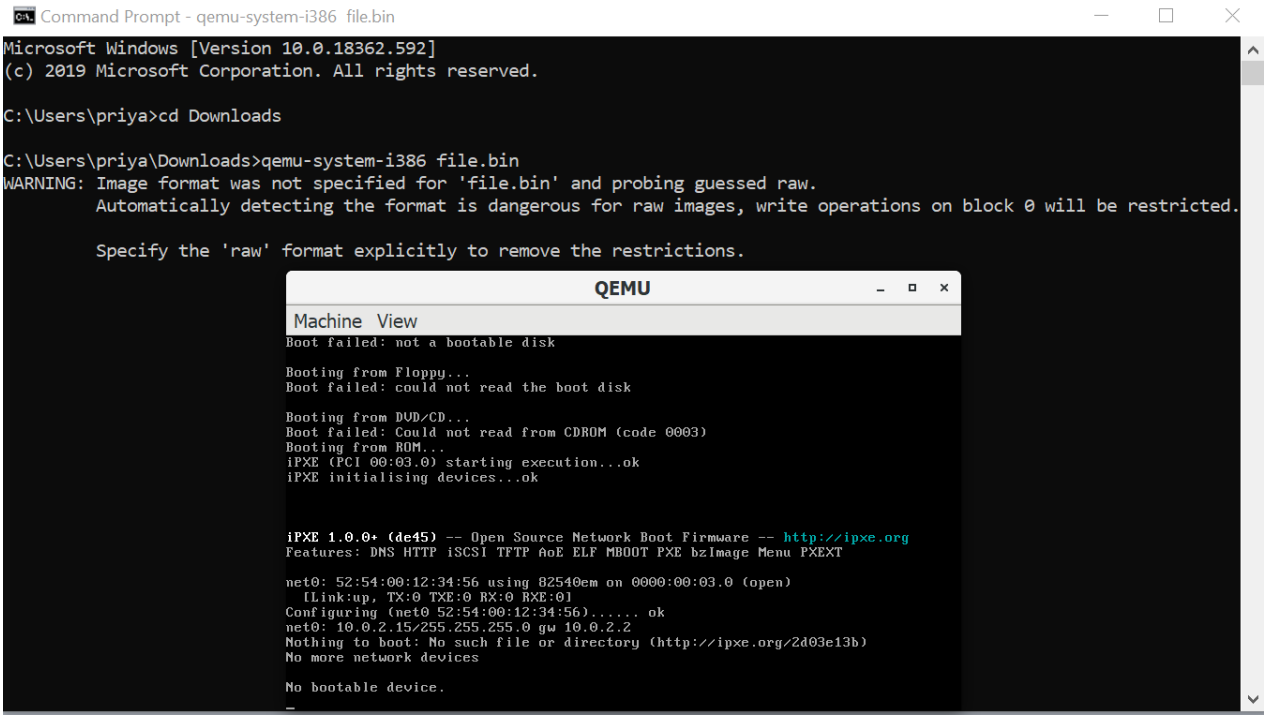
2. Now open your hex editor and go to location 0x000001FE and change it to 55AA. This makes your machine judge that the file or drive is bootable.



3. Save the file with .bin extension and open terminal and type:
   qemu-system-i386 file.bin



If anything else than 55AA is given at location 0x000001FE in the file then it won't accept it as a bootable drive.



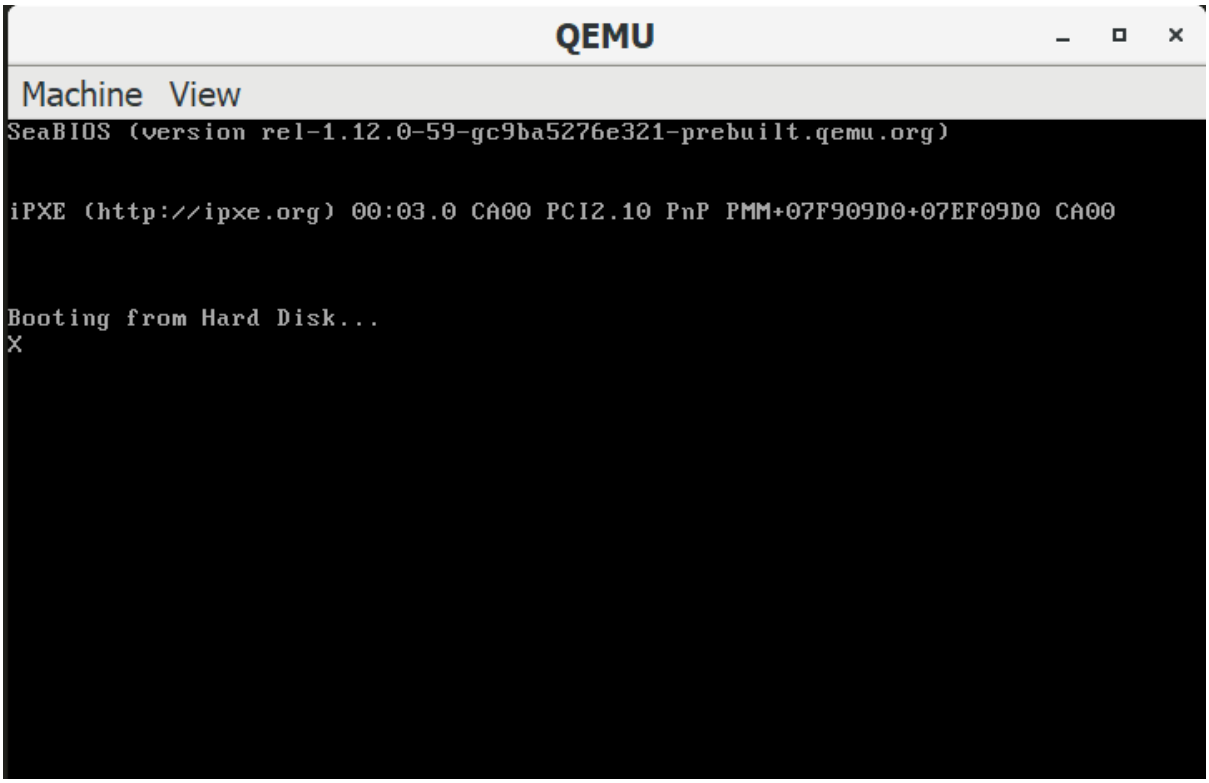
4. The same code can be written in assembly language and converted to binary using nasm.

5. To use nasm, save your assembly level code in a file with extension .asm and use command.
   nasm file.asm -o file.bin

6. Use the bin file to run on qemu.

7. Some screenshots:

   print_X.bin:



helloworld.bin: