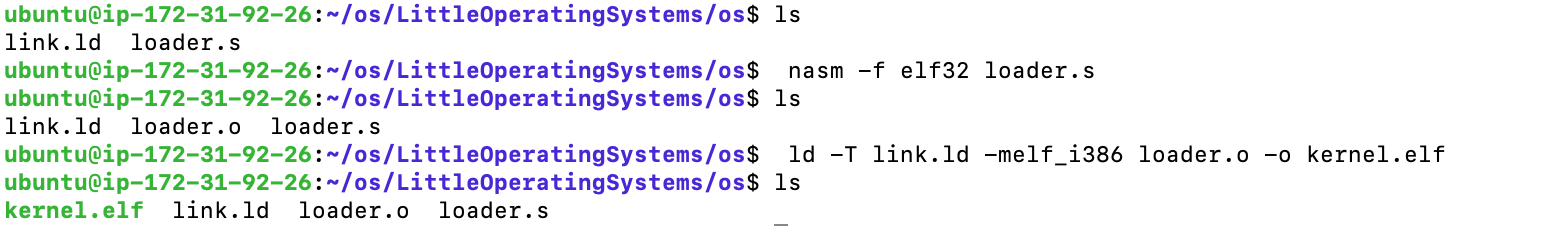
**1. Setup**

**sudo** apt-get install build-essential nasm genisoimage qemu

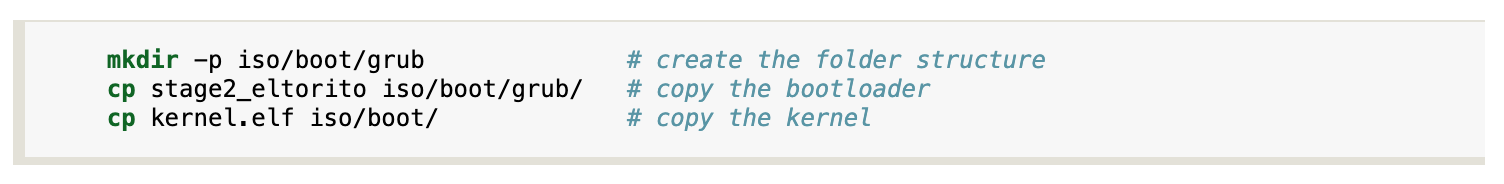
**2. Compiling the Operating System and Linking the Kernel**

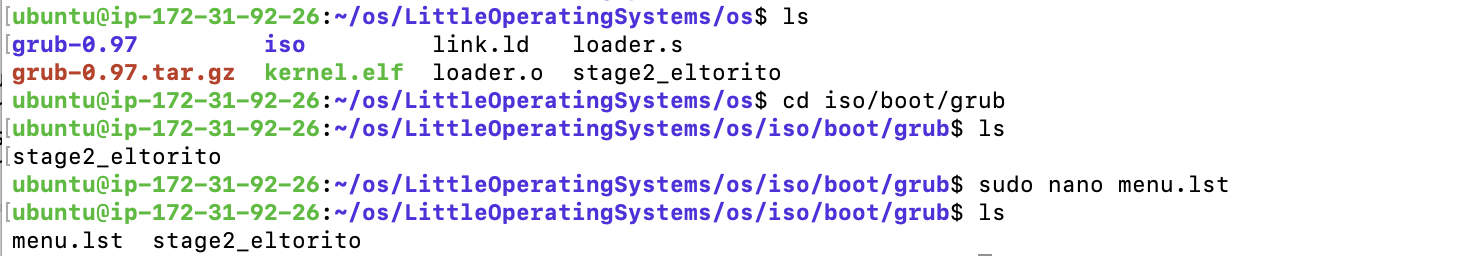
**Create loader.s file.**

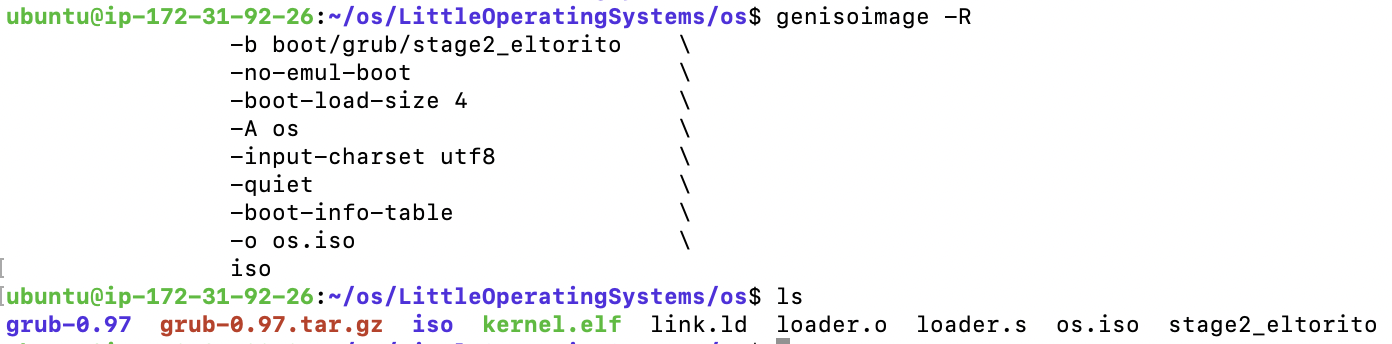
**Create link.ld file**

**Create kernel.elf**

The final executable will be called kernel.elf.

**3. Building an ISO Image**

**Create a configuration file menu.lst for GRUB**

**Create ISO image**

The ISO image os.iso now contains the kernel executable, the GRUB bootloader and the configuration file.

**3. Shell**