Screenshot of "sudo apt update"

```
csimons637@cisimons-csce311:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
  linux-headers-5.11.0-44-generic linux-hwe-5.11-headers-5.11.0-44 linux-image-5.11.0-44-generic linux-modules-5.11.0-44-generic linux-modules-extra-5.11.0-44-generic
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
csimons637@cisimons-csce311:~$
```
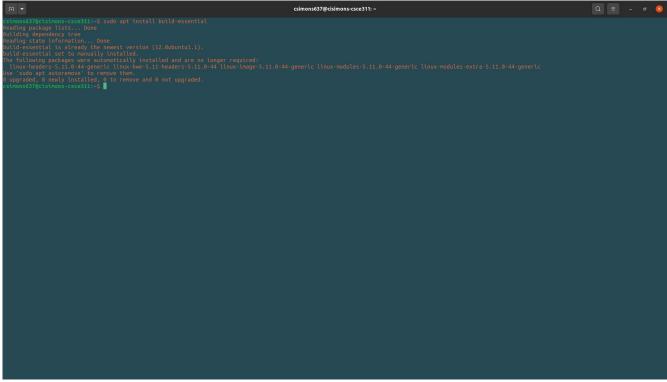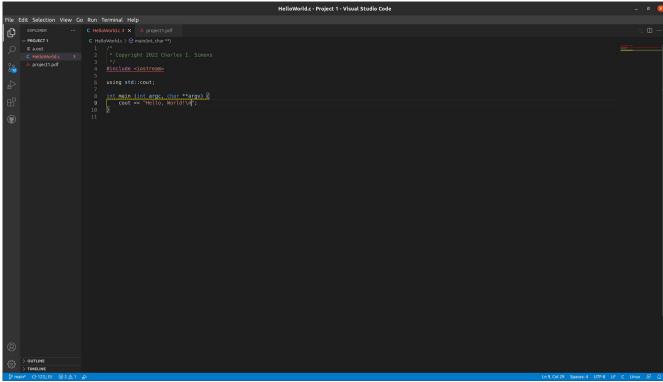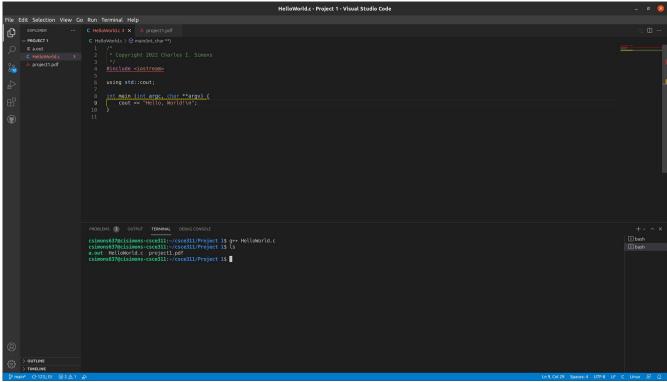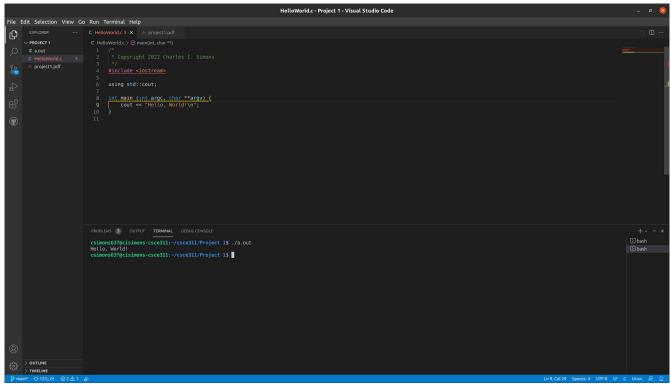
Screenshot of "sudo apt upgrade"

Screenshot of "sudo apt install build-essential"

Screenshot of code in editor

Screenshot of compilation/build output

Screenshot of executed object file and appropriate output