

# Lab 0

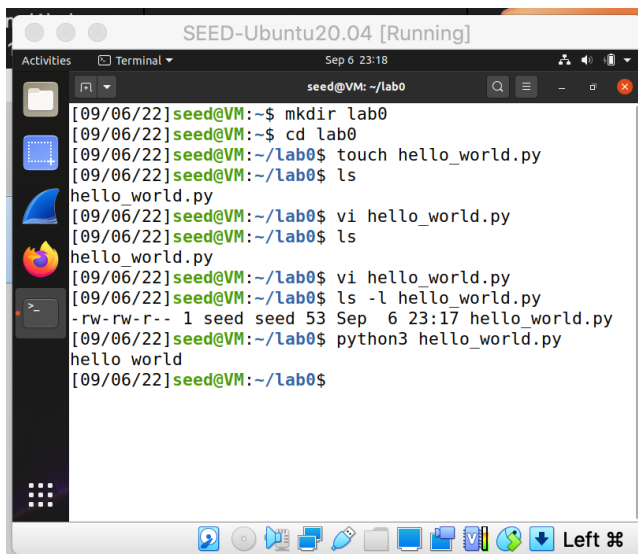
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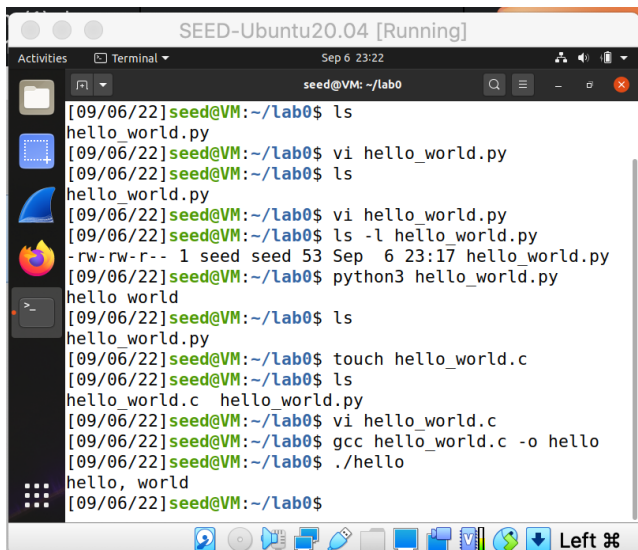
9/6/22

This is me running hello world in python

A terminal window titled 'SEED-Ubuntu20.04 [Running]' showing a series of commands to create a Python file and run it. The user 'seed' is in a VM named 'lab0'. The commands and their outputs are: 'mkdir lab0', 'cd lab0', 'touch hello\_world.py', 'ls' (output: 'hello\_world.py'), 'vi hello\_world.py', 'ls' (output: 'hello\_world.py'), 'vi hello\_world.py', 'ls -l hello\_world.py' (output: '-rw-rw-r-- 1 seed seed 53 Sep 6 23:17 hello\_world.py'), and 'python3 hello\_world.py' (output: 'hello world').

```
[09/06/22]seed@VM:~$ mkdir lab0
[09/06/22]seed@VM:~$ cd lab0
[09/06/22]seed@VM:~/lab0$ touch hello_world.py
[09/06/22]seed@VM:~/lab0$ ls
hello_world.py
[09/06/22]seed@VM:~/lab0$ vi hello_world.py
[09/06/22]seed@VM:~/lab0$ ls
hello_world.py
[09/06/22]seed@VM:~/lab0$ vi hello_world.py
[09/06/22]seed@VM:~/lab0$ ls -l hello_world.py
-rw-rw-r-- 1 seed seed 53 Sep 6 23:17 hello_world.py
[09/06/22]seed@VM:~/lab0$ python3 hello_world.py
hello world
[09/06/22]seed@VM:~/lab0$
```

This is me running hello, world in c

A terminal window titled 'SEED-Ubuntu20.04 [Running]' showing a series of commands to create a C file, compile it, and run it. The user 'seed' is in a VM named 'lab0'. The commands and their outputs are: 'ls' (output: 'hello\_world.py'), 'vi hello\_world.py', 'ls' (output: 'hello\_world.py'), 'vi hello\_world.py', 'ls -l hello\_world.py' (output: '-rw-rw-r-- 1 seed seed 53 Sep 6 23:17 hello\_world.py'), 'python3 hello\_world.py' (output: 'hello world'), 'ls' (output: 'hello\_world.py'), 'touch hello\_world.c', 'ls' (output: 'hello\_world.c hello\_world.py'), 'vi hello\_world.c', 'gcc hello\_world.c -o hello', and './hello' (output: 'hello, world').

```
[09/06/22]seed@VM:~/lab0$ ls
hello_world.py
[09/06/22]seed@VM:~/lab0$ vi hello_world.py
[09/06/22]seed@VM:~/lab0$ ls
hello_world.py
[09/06/22]seed@VM:~/lab0$ vi hello_world.py
[09/06/22]seed@VM:~/lab0$ ls -l hello_world.py
-rw-rw-r-- 1 seed seed 53 Sep 6 23:17 hello_world.py
[09/06/22]seed@VM:~/lab0$ python3 hello_world.py
hello world
[09/06/22]seed@VM:~/lab0$ ls
hello_world.py
[09/06/22]seed@VM:~/lab0$ touch hello_world.c
[09/06/22]seed@VM:~/lab0$ ls
hello_world.c hello_world.py
[09/06/22]seed@VM:~/lab0$ vi hello_world.c
[09/06/22]seed@VM:~/lab0$ gcc hello_world.c -o hello
[09/06/22]seed@VM:~/lab0$ ./hello
hello, world
[09/06/22]seed@VM:~/lab0$
```

Question: Why use touch when you can just say “vi hello\_world.py” to create a file and then jump right in to edit it?