

CSE3140 — Lab 0

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August 29th, 2022

1 Deliverables

1.1 Part 3: Directories, pwd, ls, man, cd, and mkdir

The Q3 file for my group's VM was named **Q3.14323**. The file contained exactly 256 X's, and since each character is 1 byte long, the resultant file size was **256 bytes**.

1.2 Part 4: Terminal Text Editors - Vim

The password for the User with ID #44444 in my group's VM file is **P63348U4020,P78930**. I accomplished finding this password by using the builtin search functionality in Vim. This was done by using the / (**Slash**) operator and subsequently typing in the search target value, **U44444**.

1.3 Part 5: chmod + sudo

In order to retrieve the contents of the Q5 file in my group's VM, I used the sudo command in tandem with the chmod command with the following parameters:

```
sudo chmod +rw Q5
```

After executing the above command, I was granted read/write permissions to the file, which I was able to use in order to both (a) copy the file to the Solutions directory, and (b) get the contents to put them in this report:

The contents of my group's file were: **V86213**

1.4 Part 6: Grep, Redirection, and Pipes

In order to find an arbitrary string according to a pattern, I used a regular expression in tandem with the grep command to filter out non-matching lines in the passwords file. The regular expression I used was **U6.*Y**, which matched against U6xxxxxY by using the "any" operator . (**Period**). The command used is shown below:

```
cat Passwords.txt | grep U6.*Y
```

With this command, I found the resultant user ID: **U659183Y**.

1.5 Part 7: Python

In order to be able to run the Python file, Q7.py, I needed to give it read permissions, so I used chmod with sudo to accomplish this.

```
sudo chmod +r Q7.py
```

After granting it read permissions, I was able to execute the file using the python3 binary combined with a redirection operator in order to retrieve (and copy into the Solutions directory) the following output:
S877858783804296403038