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System-Level Programming

Lab 5

1) The output of step 3 said "Command not found"

```
[asiegel11@gsuad.gsu.edu@snowball ~]$ simple.sh
-bash: simple.sh: command not found
```

2) The output of step 4 said "Permission denied"

```
[asiegel11@gsuad.gsu.edu@snowball ~]$ ./simple.sh
-bash: ./simple.sh: Permission denied
```

3)

```
[asiegel11@gsuad.gsu.edu@snowball ~]$ chmod a+x simple.sh
[asiegel11@gsuad.gsu.edu@snowball ~]$ ./simple.sh
Congratulations! Now you know shell script!
The current time and date are: Sun Sep 26 20:35:08 EDT 2021
```

4) The -n in the echo command puts the next line on the same line as the echo command.

5) The Simple Script is a comment because the line starts with a #

6) The #!/bin/bash is not a comment because it tells the system what kind of interpreter to use.

7) 6 directories

```
[asiegel11@gsuad.gsu.edu@snowball ~]$ echo $PATH
/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/asiegel11/.local/bin:/home/asiegel11/
bin
```

8) The error is not there anymore because the shell looks through the directories for the executable

9) The current working directory is /home/asiegel11

```
[asiegel11@gsuad.gsu.edu@snowball ~]$ echo $PATH
/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/asiegel11/.local/bin:/ho
me/asiegel11/bin
```

10) There is an error saying, "command not found." This is because the shell does not know where to locate the executable.

```
[asiegel11@gsuad.gsu.edu@snowball ~]$ simple.sh
-bash: simple.sh: command not found
```