1. What did you see in the output of step 3?

   a. The console says that command is not found

```
[ttahir1@gsuad.gsu.edu@snowball ~]$ simple.sh
-bash: simple.sh: command not found
```

2. What did you see in the output of step 4?

   a. The console says permission denied

```
[ttahir1@gsuad.gsu.edu@snowball ~]$ ./simple.sh
-bash: ./simple.sh: Permission denied
```

3. Attach a screenshot of the output in step 6?

```
[[ttahir1@gsuad.gsu.edu@snowball ~]$ ./simple.sh
Congratulations! Now you know shell script!
The current time and date are : Thu Sep 23 12:19:09 EDT 2021
```

4. Describe the meaning of -n option in echo command

   a. The -n command does not output the trailing newline

5. Is "Simple Script" a comment? If not, what is the meaning of it or why do we use it?

   a. Yes "Simple Script" is a comment because it begins with a # sign.

6. Is "#!/bin/bash" a comment? If not, what is the meaning of it or why do we use it in the first line?

   a. No it is not a comment, we use it to specify which appropriate shell to use to interpret the script, if we do not use this it will be interpreted by the Bourne shell.

7. How many directories you can find in the output?Note: the directories are separated by colon.

a. 4 directories

```
/home/ttahir1
[ttahir1@gsuad.gsu.edu@snowball ~]$ echo $PATH
/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/ttahir1/.local/bin:/home/ttahir1/bin
```

8. Can you find errors prompted in step 9 ? If not, please briefly describe why there is no need to put ./ before the file name.

   a. We changed the PATH so that we are in a bash environment, and that is why we don't need a ./ anymore.

9. Can you find the current working directory? in the PATH variable?

   a. My current working directory is /home/ttahir1, which is in the PATH variable

10. Can you find errors prompted in step 11 ? If yes, please explain why?

   a. Yes the PATH we set in previous steps is not still there, so we are not in the bash environment anymore, this means that when we try to execute the cute it won't because we are not in a bash environment