

1. simple.sh: command not found
2. bash: ./simple.sh: Permission denied
- 3.

```

Last login: Sun Nov 21 20:00:58 on ttys000
The default interactive shell is now zsh.
To update your account to use zsh, please run 'chsh -s /bin/zsh'.
For more details, please visit https://support.apple.com/kb/HT208050.
Shivs-MacBook-Pro:~ shivbrahmhatt$ ssh sbrahmhatt3@snowball.cs.gsu.edu
sbrahmhatt3@snowball.cs.gsu.edu's password:
Last login: Sun Nov 21 20:01:24 2021 from c-73-184-81-195.hsd1.ga.comcast.net
+
|  GSU Computer Science
|  Instructional Server
|  SNOWBALL.cs.gsu.edu
+
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ cd Lab5_P1
[sbrahmhatt3@gsuad.gsu.edu@snowball Lab5_P1]$ vi simple.sh
[sbrahmhatt3@gsuad.gsu.edu@snowball Lab5_P1]$ simple.sh
-bash: simple.sh: command not found
[sbrahmhatt3@gsuad.gsu.edu@snowball Lab5_P1]$ ./simple.sh
-bash: ./simple.sh: Permission denied
[sbrahmhatt3@gsuad.gsu.edu@snowball Lab5_P1]$ chmod u+x simple.sh
[sbrahmhatt3@gsuad.gsu.edu@snowball Lab5_P1]$ ./simple.sh
Congratulations! Now you know shell script!
The current time and date are: Sun Nov 21 20:10:38 EST 2021
[sbrahmhatt3@gsuad.gsu.edu@snowball Lab5_P1]$

```

4. -n in the option means that there will be no newline after the execution of this command.
5. Yes, it is a comment. Any script having # written before it is a comment.
6. #!/bin/bash tells the UNIX to execute the bash command. By default OS always executes the bash file.
7. Total no. of directories in it is 5.
8. No error is encountered. No need to use ./ before the file name because we have added the current directory to the search path in the previous step.
9. No the current working directory . is not in the PATH variable.

Yes errors are prompted in Step 11. This is because when we had added the current working directory to the PATH variable in step 8 it was not added permanently. The current directory was added to the PATH variable till that terminal was active. Once we logout or the terminal is closed the changes made to the PATH variable are reset and hence the current directory is no longer a part of the PATH variable. Hence the simple.sh file could not be found and thus error was prompted. To set the current working directory permanently to the PATH it must be added to the .bashrc file.