

Question 1) : What did you see in the output of step 3?

```
joshua@joshua-VirtualBox:~$ simple.sh
simple.sh: command not found
```

Question 2) : What did you see in the output of step 4?

```
joshua@joshua-VirtualBox:~$ ./simple.sh
bash: ./simple.sh: Permission denied
```

Question 3): Attach a screenshot of the output in step 6.

```
joshua@joshua-VirtualBox:~$ ./simple.sh
Congratulations! Now you know shell script!
The current time and date are: Tue Mar  2 04:12:12 PM EST 2021
```

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

Removes the newline character from output which in this case keeps the date inline with the echoed message

```
joshua@joshua-VirtualBox:~$ ./simple.sh
Congratulations! Now you know shell script!
The current time and date are:
Tue Mar  2 04:13:40 PM EST 2021
```

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

Simple script is a comment and is used to help describe any functions or code written in the script.

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

is used for commenting in bash, however on the first line when using "#!/bin/bash" shows that the script should be run in the bash shell

Question 7) : How many directories you can find in the output?

Note: the directories are separated by colon.

```
joshua@joshua-VirtualBox:~$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
```

Nine directories

Question 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.

Since we added our current working directory to the path we no longer need to specify ./ as the current directory when executing simple.sh as it will

automatically search this directory when looking for simple.sh

```
joshua@joshua-VirtualBox:~$ simple.sh  
Congratulations! Now you know shell script!  
The current time and date are:  
Tue Mar  2 04:27:22 PM EST 2021
```

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

Yes we can now see the current working directory in the path variable

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

We did not find any errors as we successfully added the current working directory to the path variable