## **LINUX ASSIGNMENT**

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Exercise\_1 - Write a shell script that prints "Shell Scripting is Fun!" on the screen.

Solution: Code:

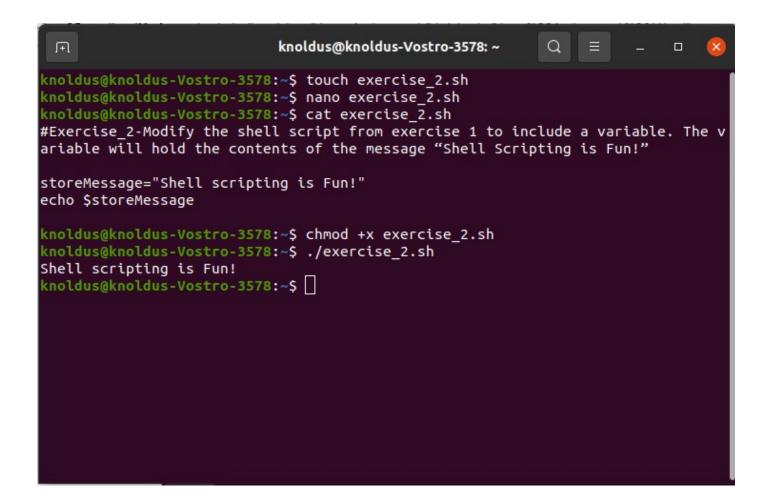
echo "Shell Scripting is Fun!"

```
knoldus@knoldus-Vostro-3578:~$ #!/bin/bash knoldus@knoldus-Vostro-3578:~$ echo "hello" hello knoldus@knoldus-Vostro-3578:~$ touch exercise_1.sh knoldus@knoldus-Vostro-3578:~$ cat exercise_1.sh knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh bash: ./exercise_1.sh: Permission denied knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh sholdus@knoldus-Vostro-3578:~$ ./exercise_1.sh knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh knoldus@knoldus-Vostro-3578:~$ ./exercise_1.sh
```

Exercise\_2 - Modify the shell script from exercise 1 to include a variable. The variable will hold the contents of the message "Shell Scripting is Fun!"

Solution: Code:

storeMessage = "shell scripting is Fun!"
echo \$storeMessage



Exercise\_3 - Store the output of the command "hostname" in a variable. Display "This script is running on \_." where "\_" is the output of the "hostname" command.

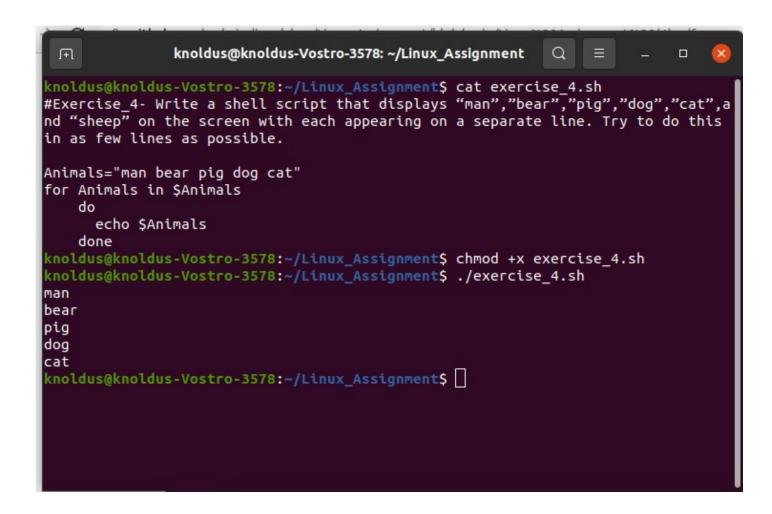
Solution: Code:

HostName= \$(hostname)
echo "The script is running on \$HostName"

Exercise\_4 - Write a shell script that displays "man", "bear", "pig", "dog", "cat", and "sheep" on the screen with each appearing on a separate line. Try to do this in as few lines as possible.

## Solution: Code:

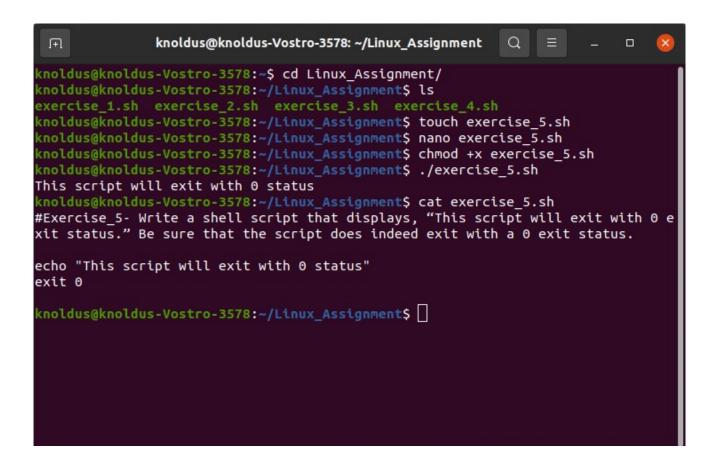
```
Animals= "man bear pig dog cat"
for Animals in $Animals
do
echo $Animals
done
```



Exercise\_5 - Write a shell script that displays, "This script will exit with 0 exit status." Be sure that the script does indeed exit with a 0 exit status.

Solution: Code:

echo "This script will exit with 0 status" exit 0



Exercise\_6 - Write a shell script that consists of a function that displays the number of files in the present working directory. Name this function "file\_count" and call it in your script. If you use variable in your function, remember to make it a local variable.

## Solution: Code:

```
function file_count()
{
   local number_of_files = $(ls -1 | wc -l)
   echo "$number_of_files"
}
file count
```