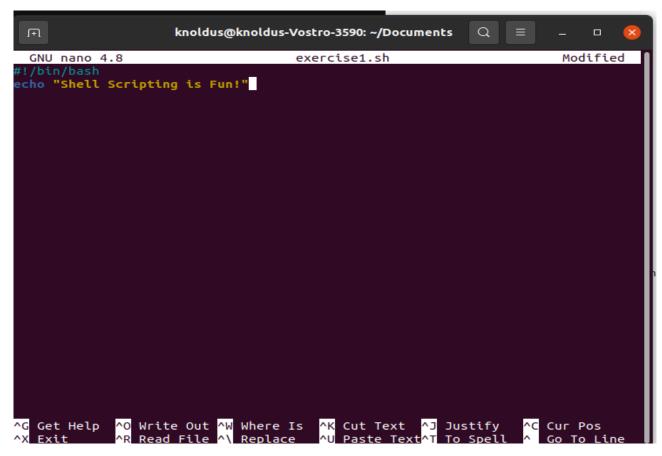
LINUX ASSIGNMENT

Exercise_1 - Write a shell script that prints "Shell Scripting is Fun!" on the screen #!/bin/bash

echo "Shell Scripting is Fun!"



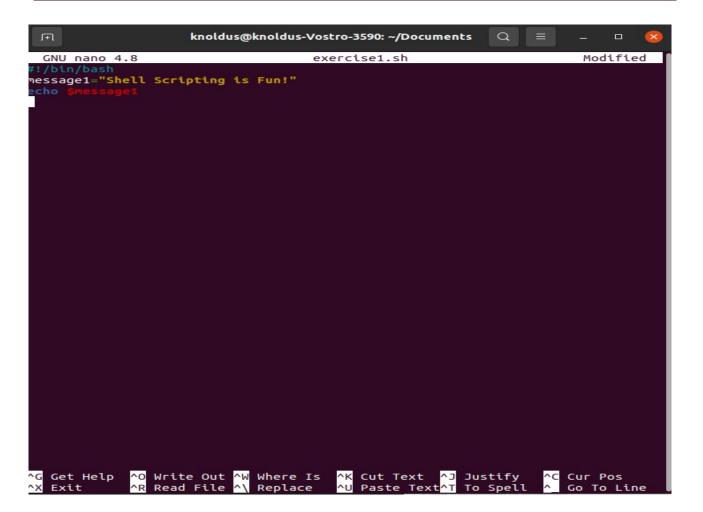
Exercise_2 - Modify the shell script from exercise 1 to include a variable. The variable will hold the contents of the message "Shell Scripting is Fun!"

#!/bin/bash

message1="Shell Scripting is Fun!"

echo \$message1

```
knoldus@knoldus-Vostro-3590: ~/Documents
                                                            Q
 FI.
knoldus@knoldus-Vostro-3590:~$ cd Documents/
knoldus@knoldus-Vostro-3590:~/Documents$ mkdir Linux_Assignment
knoldus@knoldus-Vostro-3590:~/Documents$ nano exercise1.sh
knoldus@knoldus-Vostro-3590:~/Documents$ chmod 777 exercise1.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise1.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-3590:~/Documents$ nano exercise1.sh
knoldus@knoldus-Vostro-3590:~/Documents$ nano exercise1.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise1.sh
./exercise1.sh: line 1: Shell Scripting is Fun!: command not found
knoldus@knoldus-Vostro-3590:~/Documents$ nano exercise1.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise1.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-3590:~/Documents$
```

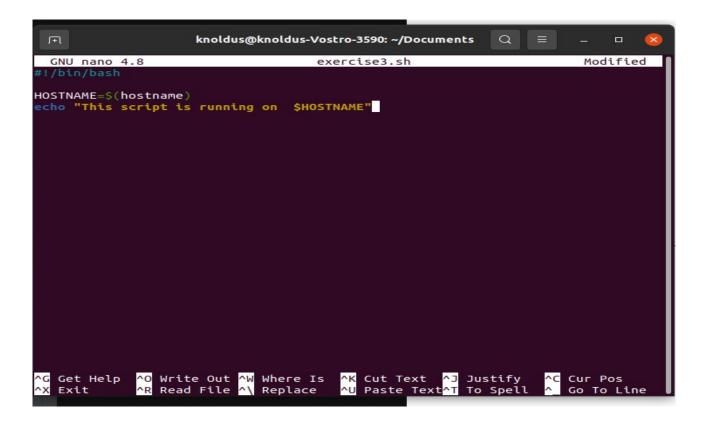


Exercise_3 - Store the output of the command "hostname" in a variable. Display "This script is running on _." where "_" is the output of the "hostname" command.

#!/bin/bash

HOSTNAME=\$(hostname)

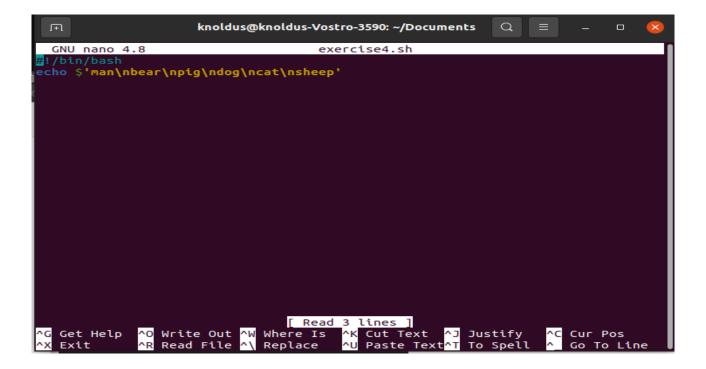
echo "This script is running on \$HOSTNAME"



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. #!/bin/bash

echo \$'man\nbear\npig\ndog\ncat\nsheep'

```
knoldus@knoldus-Vostro-3590: ~/Documents
 FI.
                                                                           cnoldus@knoldus-Vostro-3590:~/Documents$ nano exercise4.sh
cnoldus@knoldus-Vostro-3590:~/Documents$ chmod 777 exercise4.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise4.sh
/exercise4.sh: line 2: bear: command not found
cnoldus@knoldus-Vostro-3590:~/Documents$ nano exercise4.sh
knoldus@knoldus-Vostro-3590:~/Documents$ chmod 777 exercise4.sh
cnoldus@knoldus-Vostro-3590:~/Documents$ ./exercise4.sh
/exercise4.sh: line 2: bear: command not found
cnoldus@knoldus-Vostro-3590:~/Documents$ nano exercise4.sh
cnoldus@knoldus-Vostro-3590:~/Documents$ ./exercise4.sh
./exercise4.sh: line 2: bear: command not found
cnoldus@knoldus-Vostro-3590:~/Documents$ nano exercise4.sh
cnoldus@knoldus-Vostro-3590:~/Documents$ ./exercise4.sh
/exercise4.sh: line 2: bar: command not found
cnoldus@knoldus-Vostro-3590:~/Documents$ nano exercise4.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise4.sh
./exercise4.sh: line 2: pig,: command not found
knoldus@knoldus-Vostro-3590:~/Documents$ nano exercise4.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise4.sh
man
bear
pig
dog
cat
sheep
cnoldus@knoldus-Vostro-3590:~/Documents$
```



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.

#!/bin/bash

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

echo \$?

```
knoldus@knoldus-Vostro-3590:~/Documents Q = - □ &

knoldus@knoldus-Vostro-3590:~/Documents$ chmod 777 exercise5.sh
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise5.sh
%noldus@knoldus-Vostro-3590:~/Documents$ nano exercise5.sh
"This script will exit with 0 exit status."
knoldus@knoldus-Vostro-3590:~/Documents$ ./exercise5.sh
%noldus@knoldus-Vostro-3590:~/Documents$ ./exercise5.sh
"This script will exit with 0 exit status."
0
knoldus@knoldus-Vostro-3590:~/Documents$

knoldus@knoldus-Vostro-3590:~/Documents$
```



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.

```
#!/bin/bash
function file_count()
{
   local NUMBER_OF_FILE=$(ls -1 | wc -l)
    echo "$NUMBER_OF_FILE"
}
file_count
```

