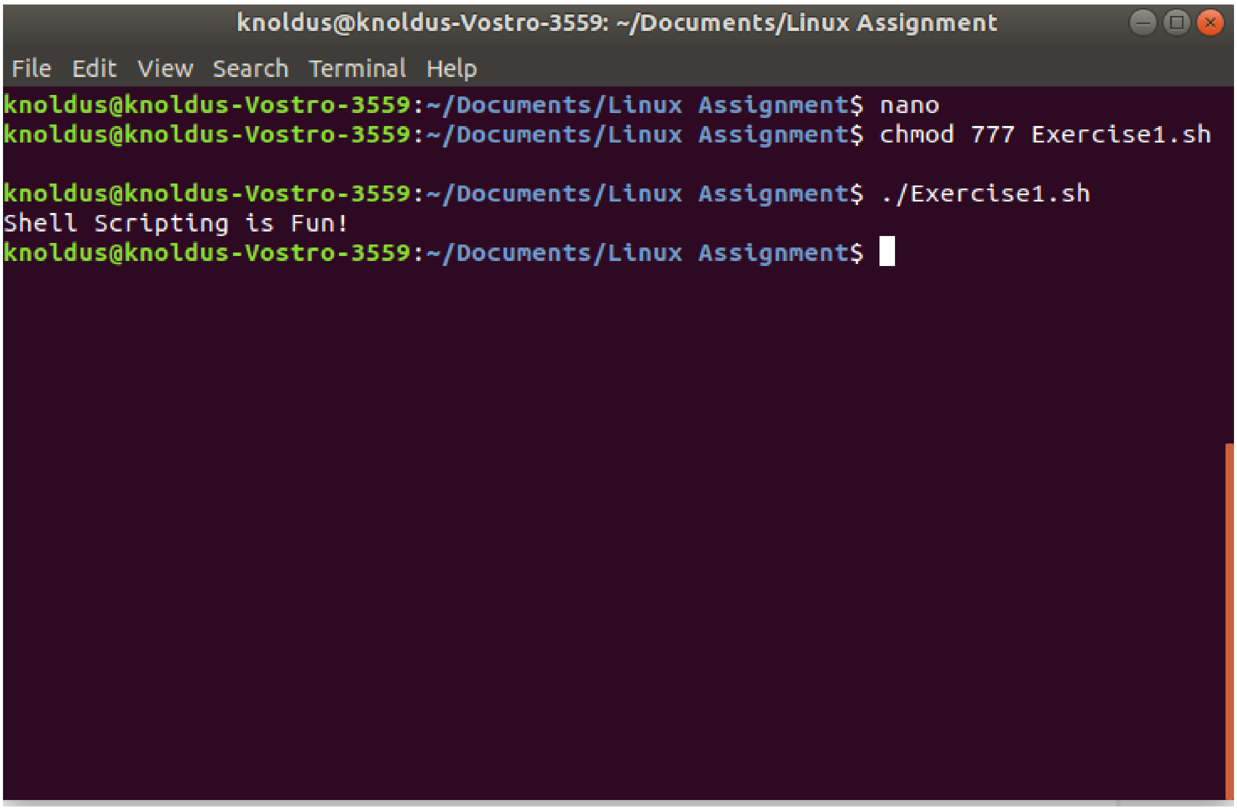
LINUX ASSIGNMENT

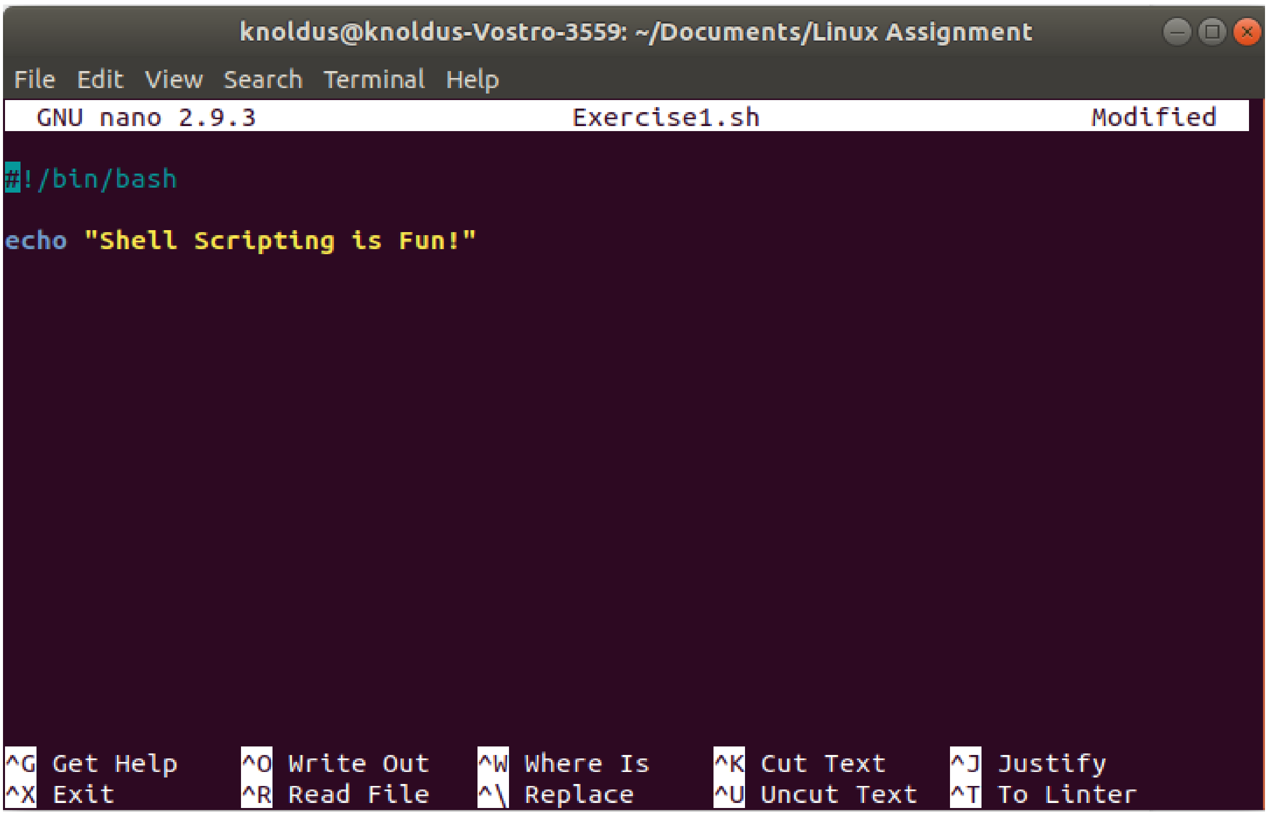
- Write a shell script that prints "Shell Scripting is Fun!" on the screen



knoldus@knoldus-Vostro-3559: ~/Documents/Linux Assignment
File Edit View Search Terminal Help

```
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ chmod 777 Exercise1.sh

knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise1.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ 
```

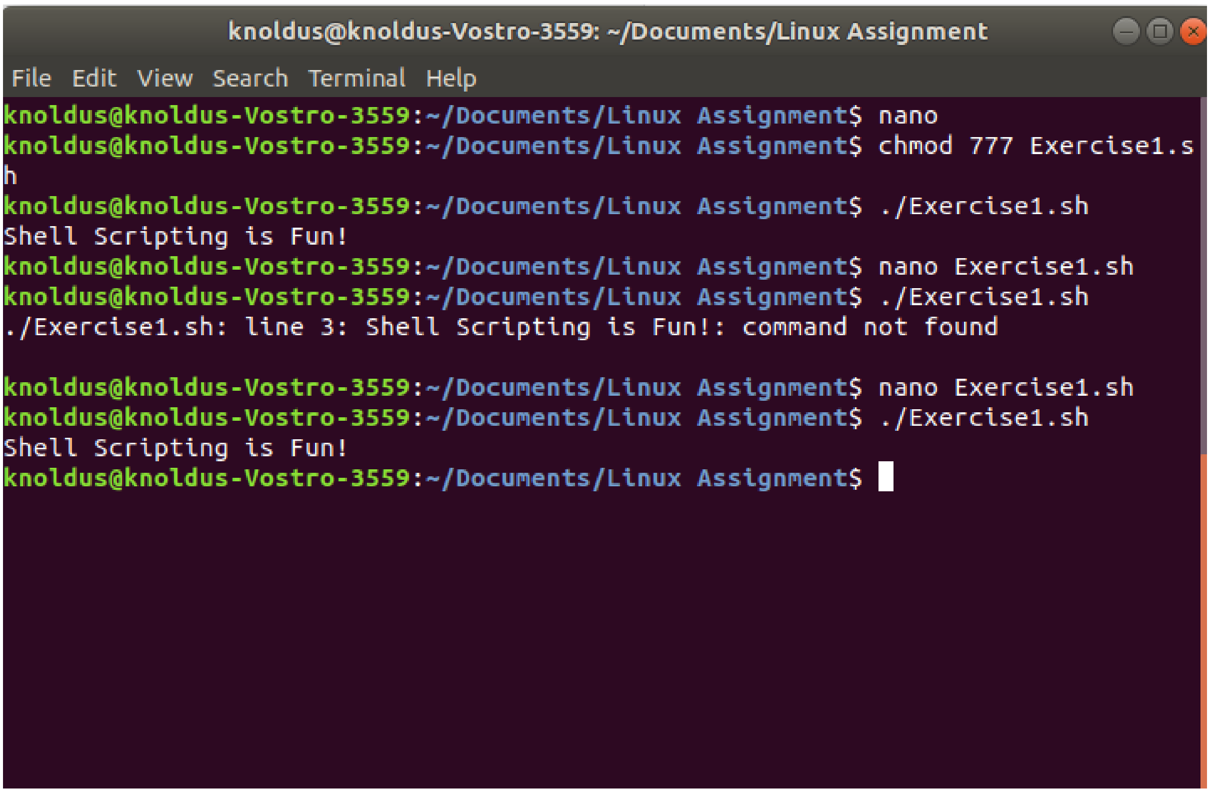


knoldus@knoldus-Vostro-3559: ~/Documents/Linux Assignment
File Edit View Search Terminal Help
GNU nano 2.9.3
Exercise1.sh
Modified

```
#!/bin/bash

echo "Shell Scripting is Fun!"
```

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



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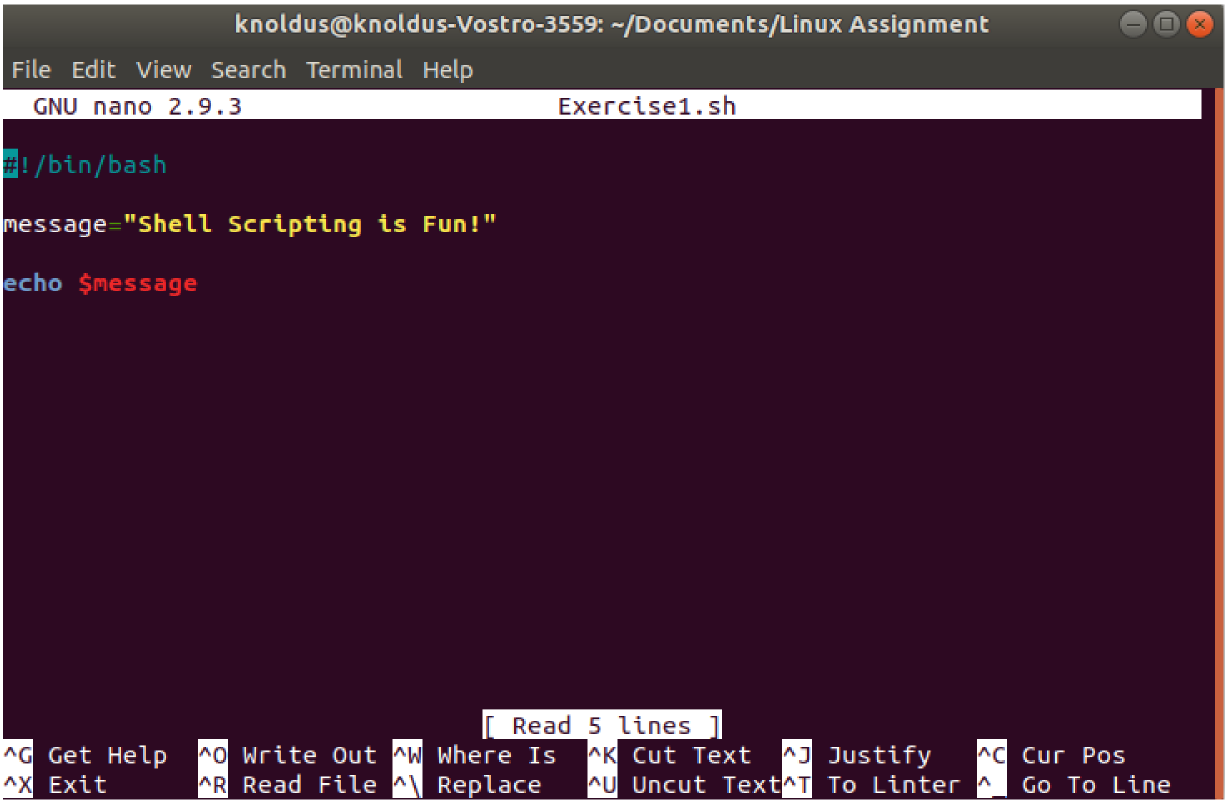
File Edit View Search Terminal Help

```
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ chmod 777 Exercise1.s
h
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise1.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano Exercise1.sh
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise1.sh
./Exercise1.sh: line 3: Shell Scripting is Fun!: command not found

knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano Exercise1.sh
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise1.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ 
```



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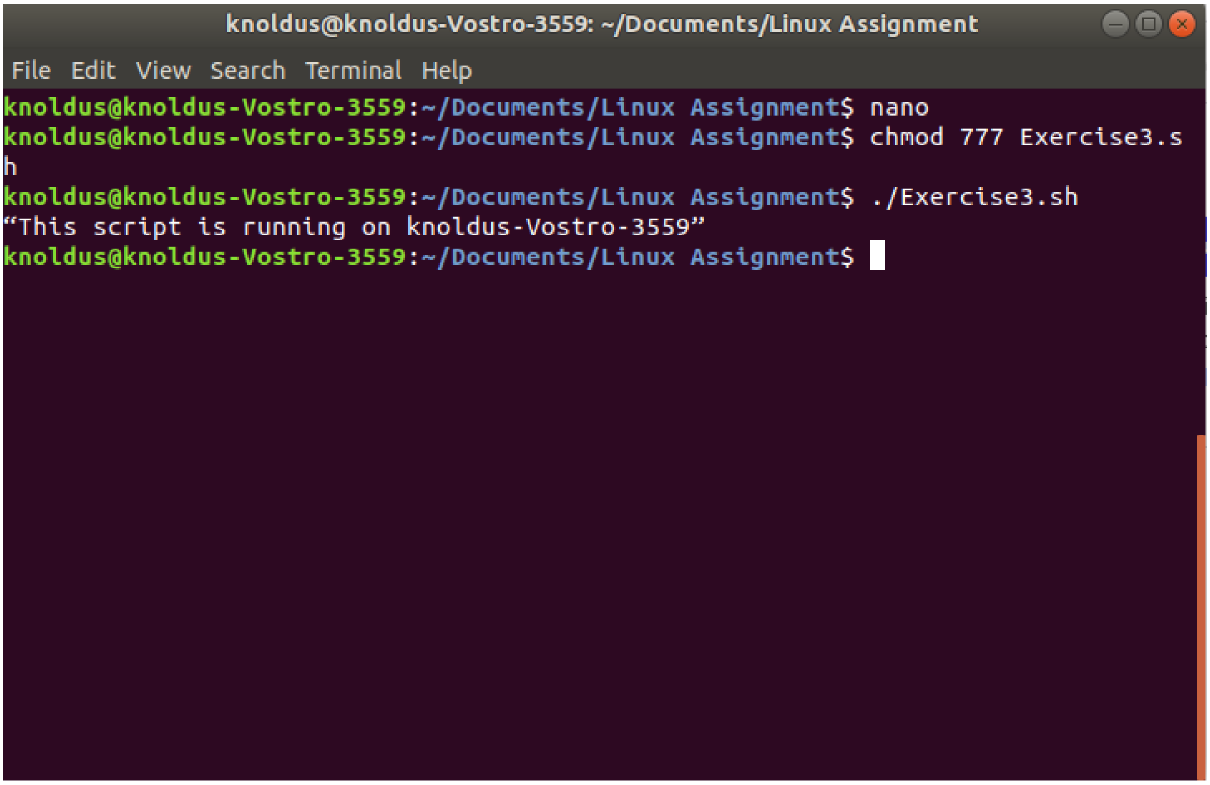
```
  GNU nano 2.9.3                       Exercise1.sh

#!/bin/bash

message="Shell Scripting is Fun!"

echo $message
```

```
                                  [ Read 5 lines ]
^G Get Help   ^O Write Out  ^W Where Is   ^K Cut Text   ^J Justify    ^C Cur Pos
^X Exit       ^R Read File  ^\ Replace    ^U Uncut Text^T To Linter   ^_ Go To Line
```

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



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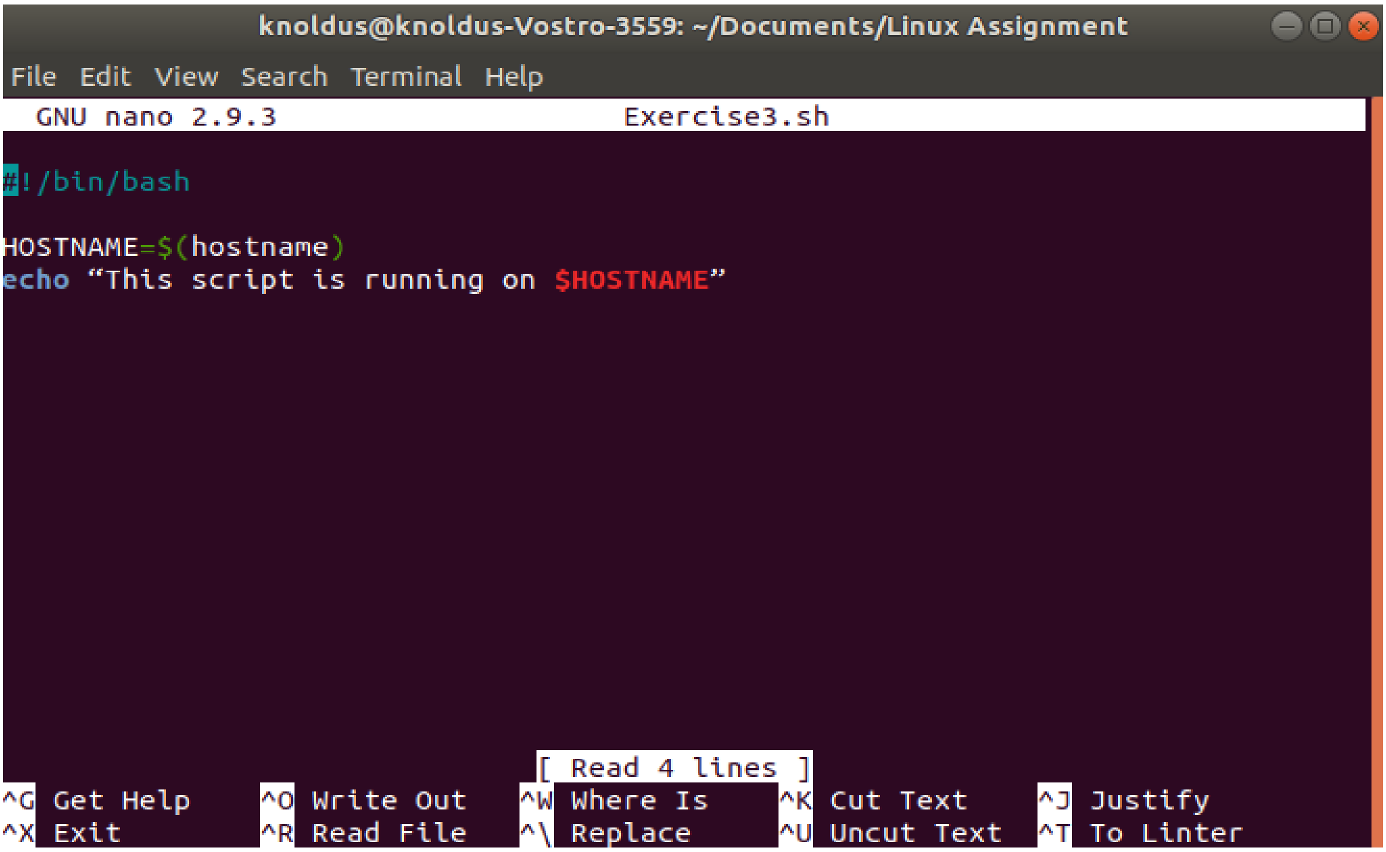
```
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ chmod 777 Exercise3.s
h
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise3.sh
"This script is running on knoldus-Vostro-3559"
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ 
```



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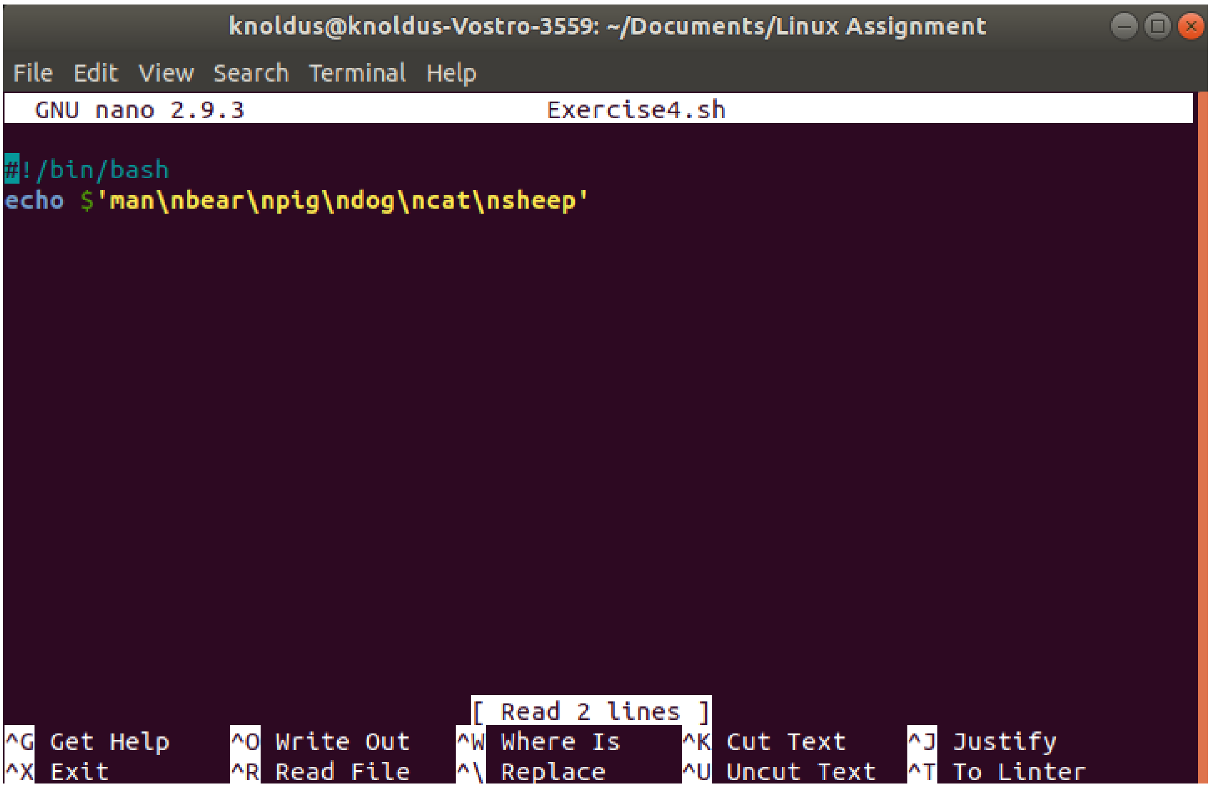
```
  GNU nano 2.9.3                          Exercise3.sh

#!/bin/bash

HOSTNAME=$(hostname)
echo "This script is running on $HOSTNAME"
```

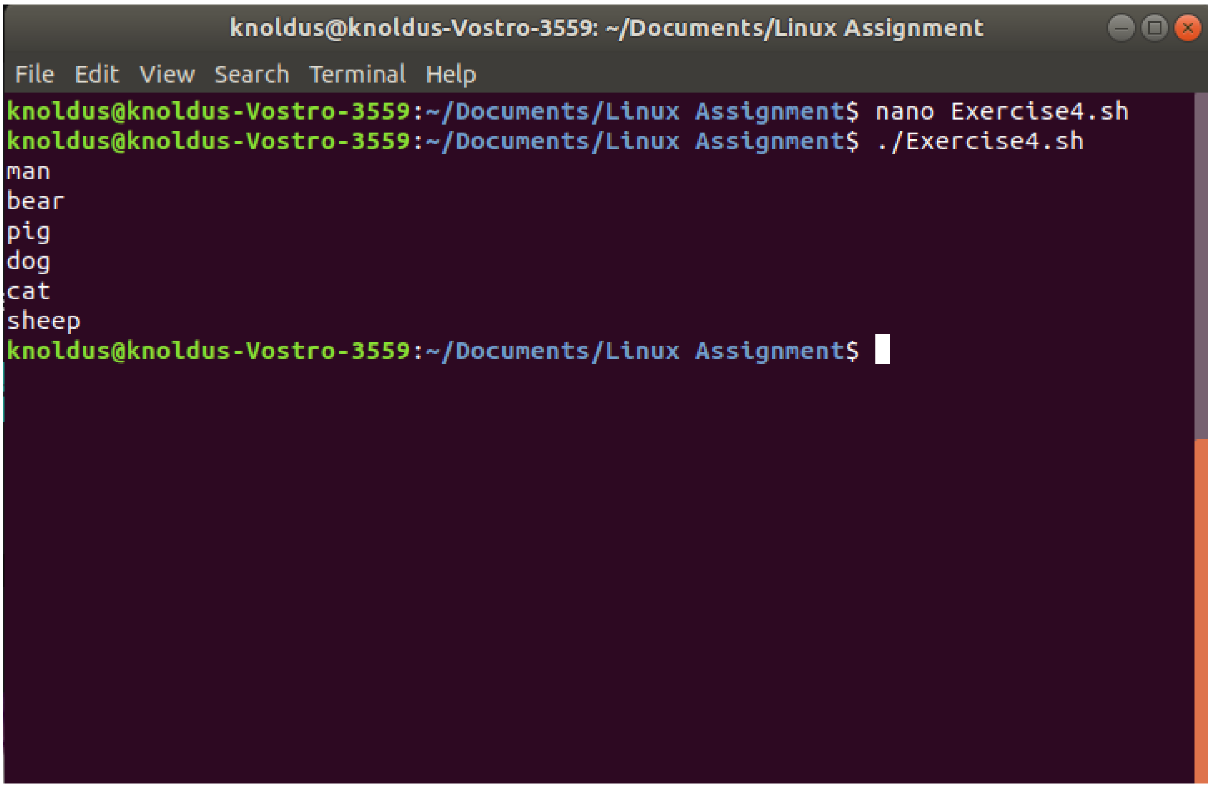
- Write a shell script that displays “man”, "bear", "pig", "dog", "cat" and “sheep” on the screen with each appearing on a separate line. Try to do this in as few lines as possible.



```
  GNU nano 2.9.3                          Exercise4.sh

#!/bin/bash
echo $'man\nbear\npig\ndog\ncat\nsheep'

                                   [ Read 2 lines ]
```



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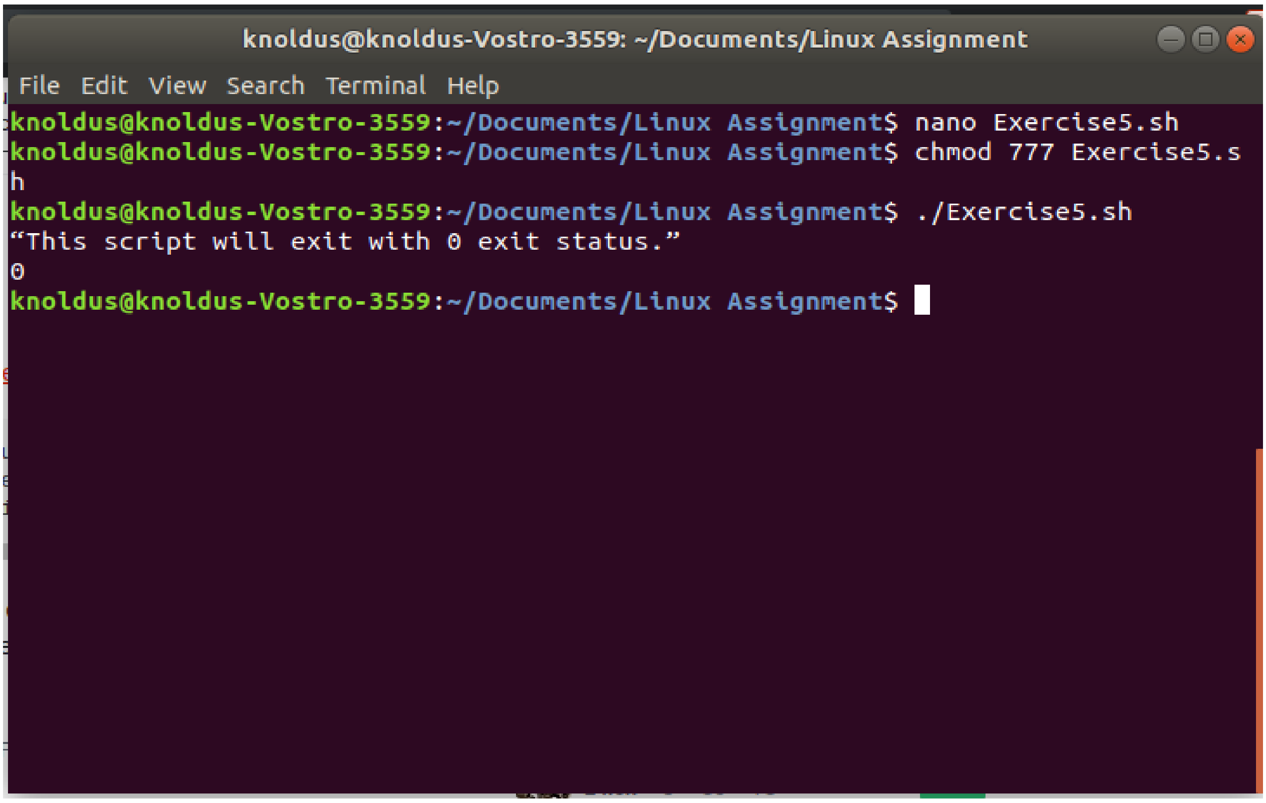
```
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano Exercise4.sh
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise4.sh
man
bear
pig
dog
cat
sheep
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ 
```

- 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.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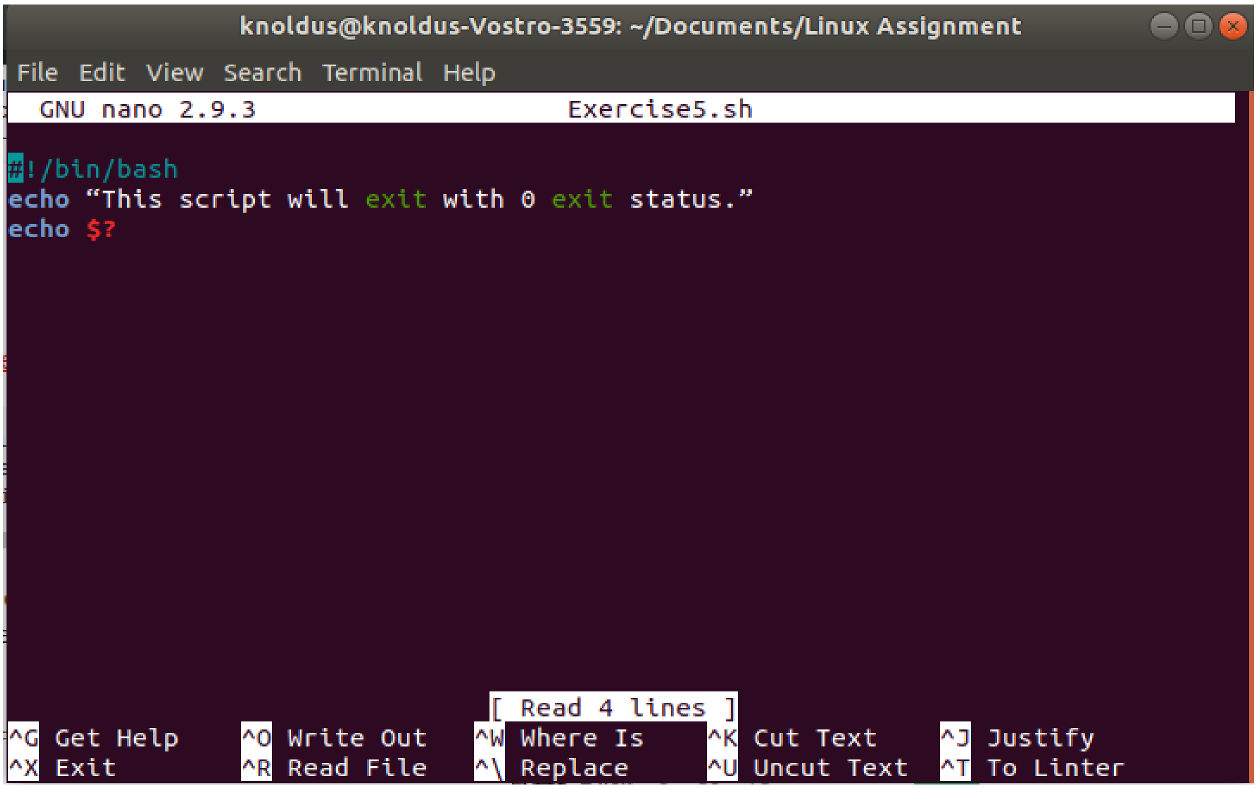
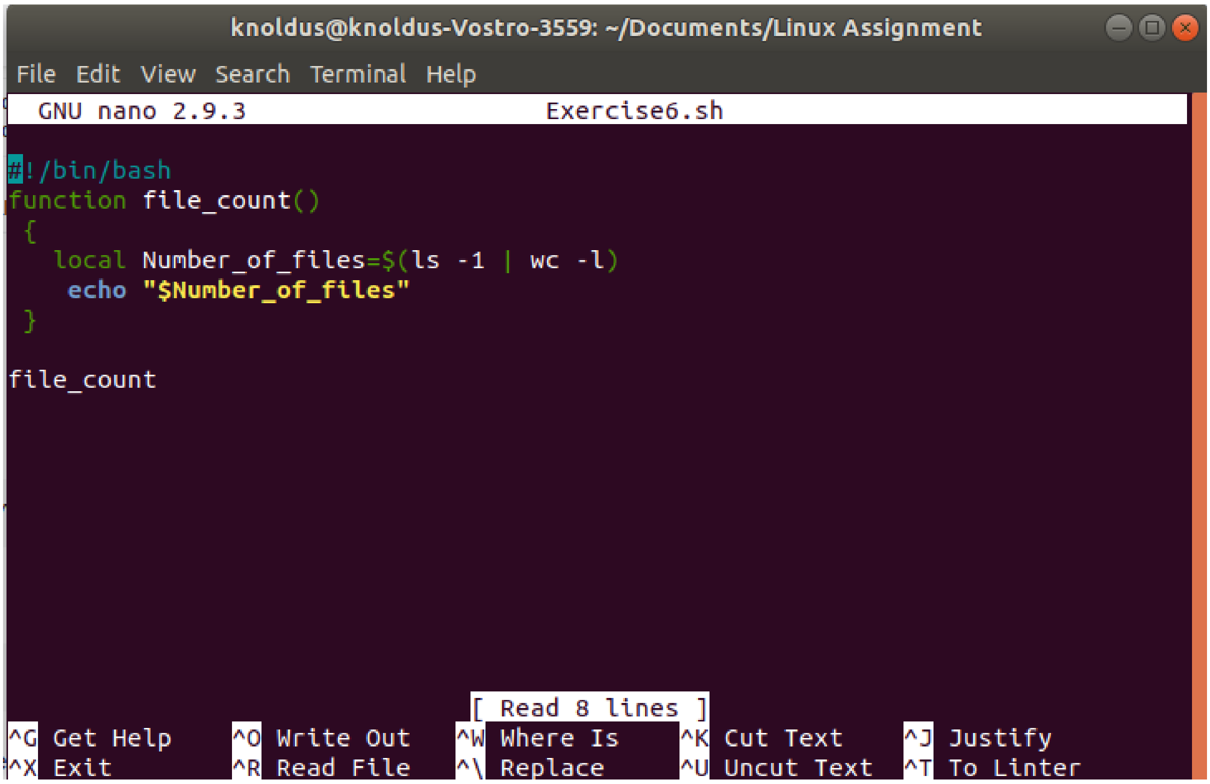
File Edit View Search Terminal Help

```
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano Exercise5.sh
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ chmod 777 Exercise5.s
h
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise5.sh
“This script will exit with 0 exit status.”
0
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ 
```



```
#!/bin/bash
echo “This script will exit with 0 exit status.”
echo $?
```

- 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.



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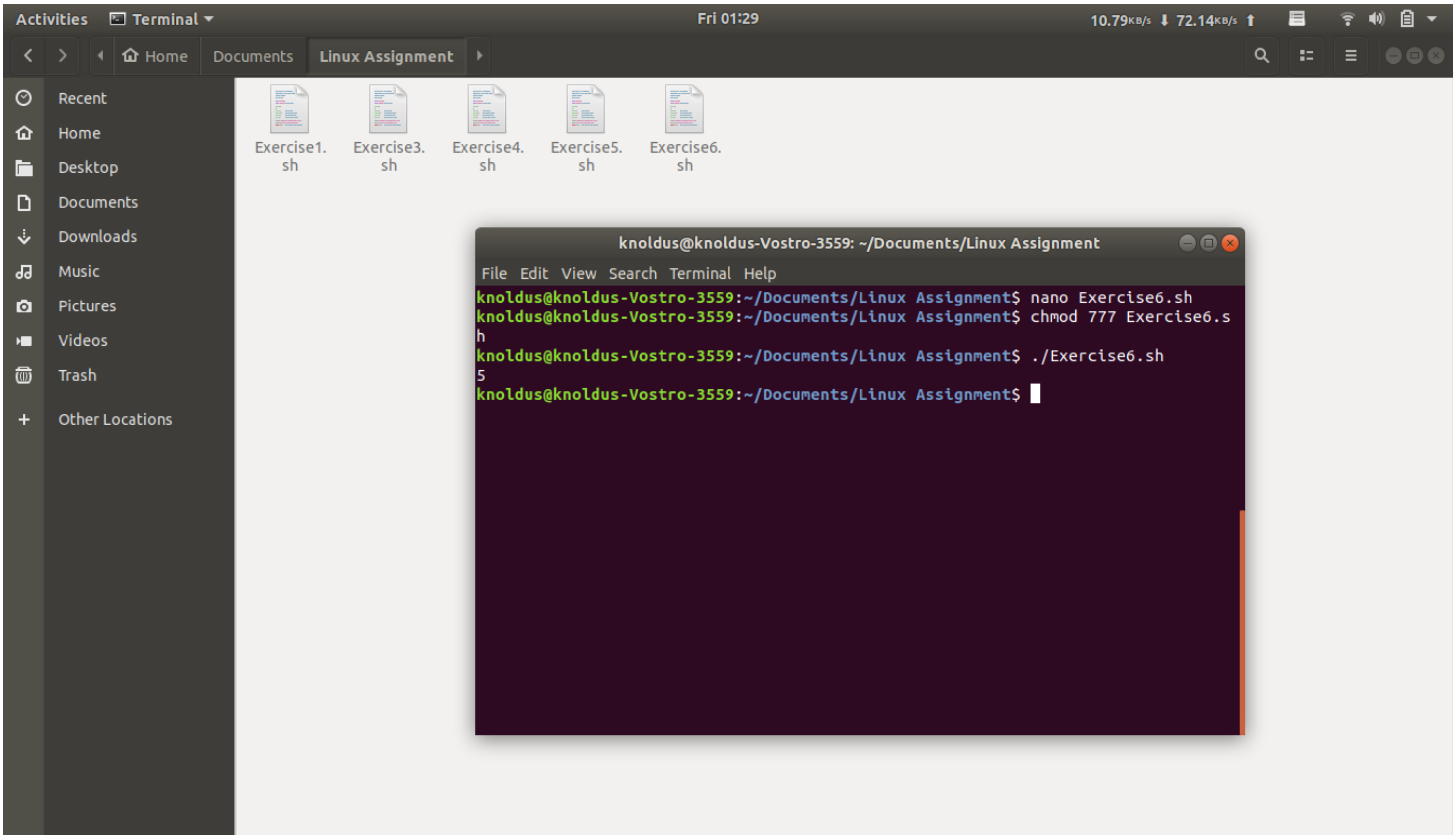
File Edit View Search Terminal Help

```
  GNU nano 2.9.3                    Exercise6.sh

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

file_count
```

```
                              [ Read 8 lines ]
^G Get Help     ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify
^X Exit         ^R Read File    ^\ Replace      ^U Uncut Text   ^T To Linter
```



```
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ nano Exercise6.sh
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ chmod 777 Exercise6.s
h
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ ./Exercise6.sh
5
knoldus@knoldus-Vostro-3559:~/Documents/Linux Assignment$ 
```