

# Linux Assignment

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

```
knoldus@knoldus-Vostro-15-3568:~/linux$ cat Exercise1.sh  
echo "Shell Scripting is Fun!"
```

```
knoldus@knoldus-Vostro-15-3568:~/linux$ ./Exercise1.sh  
Shell Scripting is Fun!
```

```
knoldus@knoldus-Vostro-15-3568:~/linux$
```

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!”

```
knoldus@knoldus-Vostro-15-3568:~/linux$ cat Exercise2.sh
message="Shell Scripting is Fun!"

echo $message
knoldus@knoldus-Vostro-15-3568:~/linux$ ./Exercise2.sh
Shell Scripting is Fun!
knoldus@knoldus-Vostro-15-3568:~/linux$
```

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.

```
knoldus@knoldus-Vostro-15-3568:~/linux$ cat Exercise3.sh
hostName=$(hostname)

echo "This script is running on $hostName."
knoldus@knoldus-Vostro-15-3568:~/linux$ ./Exercise3.sh
This script is running on knoldus-Vostro-15-3568.
knoldus@knoldus-Vostro-15-3568:~/linux$
```

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.

```
knoldus@knoldus-Vostro-15-3568:~/linux$ cat Exercise4.sh
animals="man bear pig dog cat sheep"

for animal in $animals
do
    echo $animal
done
knoldus@knoldus-Vostro-15-3568:~/linux$ ./Exercise4.sh
man
bear
pig
dog
cat
sheep
knoldus@knoldus-Vostro-15-3568:~/linux$
```

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.

```
knoldus@knoldus-Vostro-15-3568:~/linux$ cat Exercise5.sh
echo "This script will exit with 0 exit status."

exit 0
knoldus@knoldus-Vostro-15-3568:~/linux$ ./Exercise5.sh
This script will exit with 0 exit status.
knoldus@knoldus-Vostro-15-3568:~/linux$
```

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.

```
knoldus@knoldus-Vostro-15-3568:~/linux$ cat Exercise6.sh
function file_count()
{
    local numberOfFiles=$(ls -l | wc -l)

    echo "Number of files in the present working directory = $numberOfFiles"
}

file_count
knoldus@knoldus-Vostro-15-3568:~/linux$ ./Exercise6.sh
Number of files in the present working directory = 12
knoldus@knoldus-Vostro-15-3568:~/linux$
```