



S.H.E.L.L.
SECURITY IS AN ILLUSION



```
>>> ./bashscripting.sh
```



```
>>> cat whatisbashscripting.txt
```

Bash is a command language interpreter. It is widely available on various operating systems and is a default command interpreter on most GNU/Linux systems. The name is an acronym for the **‘Bourne-Again SHell’**

Scripting allows for an automatic commands execution that would otherwise be executed interactively one-by-one.



```
>>> cat firstscript.sh
```

```
#!/bin/bash  
echo "Hello World!"
```

That is called a shebang(#!), it tells the shell what program to interpret the script with, when executed

```
>>> bash firstscript.sh or ./firstscript.sh
```

```
Hello World!
```



```
>>> ls -al
```

```
lelouch@lelouch-IdeaPad-3-15IML05-D:~/Bash$ ls -l
total 20
-rwxrwxr-x 1 lelouch lelouch 105 Mar 22 19:43 1stscript.sh
-rw-rw-r-- 1 lelouch lelouch  43 Mar 22 20:19 arguments.sh
-rw-rw-r-- 1 lelouch lelouch  90 Mar 22 20:10 echo.sh
-rw-rw-r-- 1 lelouch lelouch  13 Mar 22 20:31 loops.sh
-rwxrwxr-x 1 lelouch lelouch  70 Mar 24 10:55 usrinput.sh
lelouch@lelouch-IdeaPad-3-15IML05-D:~/Bash$
```



```
>>> cat usrinput.sh
```

```
#!/bin/bash  
echo "What's Your Name ?"  
read name  
echo "Hello $name!"
```

```
>>> ./usrinput.sh
```


```
What's Your Name?  
Rohan  
Hello Rohan!
```



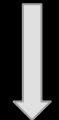
```
>>> cat arguments.sh
```

```
#!/bin/bash  
name=$1  
age=$2  
echo "$name , $age"
```

```
>>> ./arguments.sh Rohan 20
```

 Second Argument.

Rohan,20



First Argument .



```
>>> cat ifelse.sh
```

```
#!/bin/bash
echo "what's your age ?"
read age

if [[ "$age" -eq "20" ]];then
    echo "Hey there,fellow 20 year old !"
else
    echo "You look like you're 20!"
fi
```

```
>>> ./ifelse.sh
```

```
"what's your age ?"
20
Hey there,fellow 20 year old !
```




```
>>> cat conditionalsooperators.sh
```

Arithmetic Comparisons

-lt	<
-gt	>
-le	<=
-ge	>=
-eq	==
-ne	!=

String Comparisons

=	equal
!=	not equal
<	less than
>	greater than
-n s1	string s1 is not empty
-z s1	string s1 is empty



```
>>> forloops.sh
```

```
#!/bin/bash
```

```
for i in {0..10..2} → {START..END..INCREMENT}
do
    echo "Number $i"
done

echo " "
for ((i=0;i<=69;i++));do
    echo "Counter No $i"
done
```



>>> whileloops.sh

```
#!/bin/bash
i=0
while [ "$i" -le 3 ];do
    echo "Number : $i"
    ((i++))
done
```

>>> cat readfilewithbash.sh

```
#!/bin/bash
file=$1

while read line;do
    echo "$line"
done < "$file"
```



```
>>> ./resources.sh
```

<https://www.youtube.com/watch?v=e7BufAVwDiM>

<https://devhints.io/bash>