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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 ‘**B**ourne-**A**gain **SH**ell’

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 condtionalsoperators.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}
do
        echo "Number $i"
done

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

{START..END..INCREMENT}

>>> 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