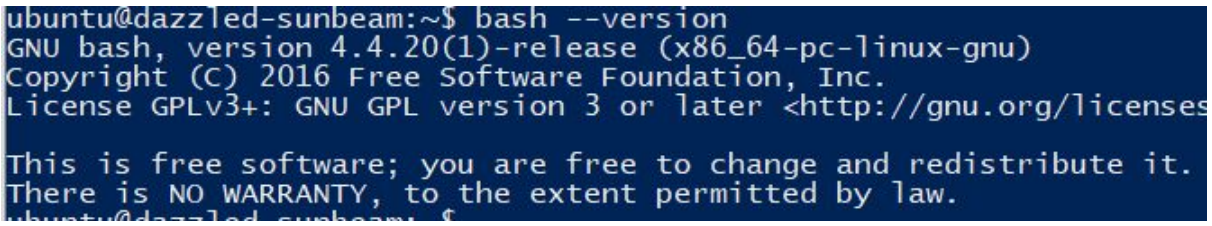
Bash scripting

$ bash --version



Common bash commands:

$ ls - List directory contents
$ echo - Prints text to the terminal windows
$ touch - Creates a file
$ mkdir - Create a directory
$ pwd - Print working directory
$ cd - Change directory
$ mv - Move or rename directory
$ less - View the contents of a text file (no edit)
$ cat - Read a file, create a file and concatenate files
$ chmod - Sets the file permissions flag on a file or folder
$ exit - Closes terminal, log you out of remote SSH access session, end execution of a shell script
$ history - List your most recent commands
$ clear - Clear your terminal window
$ cp - Copy files and directories
$ kill - Terminate stalled processes

Første script:

$ nano hello.sh

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

$ bash hello.sh

Hello World

Brug af comment:

$ nano comment.sh

```
#!/bin/bash

# Add two numeric value
((sum=25+35))

#Print the result
echo $sum
```

$ bash comment.sh

60

While loop:

$ nano while.sh

```
#!/bin/bash
valid=true
count=1
while [ $valid ]
do
echo $count
if [ $count -eq 5 ];
then
break
fi
((count++))
done
```

$ bash while.sh

1

2

3

4

5

For loop:

$ nano for.sh

```
#!/bin/bash
for (( counter=10; counter>0; counter-- ))
do
echo -n "$counter "
done
printf "\n"
```

$ bash for.sh

10 9 8 7 6 5 4 3 2 1

Get User Input:

$ nano user_input.sh

```
#!/bin/bash
echo "Enter Your Name"
read name
echo "Welcome $name to bash scripting"
```

$ bash user_input.sh

Enter Your Name

Mads

Welcome Mads to bash scripting

If statement:

$ nano simple_if.sh

```
#!/bin/bash
n=10
if [ $n -lt 10 ];
then
echo "It is an one digit number"
else
echo "It is a two digit number"
fi
```

$ bash simple_if.sh

It is a two digit number