

# How Bash Processes Command Lines

## Problem Set Brief

In this brief there are 4 sets of command lines.

Please work through each example like I have done in the worked examples, listing each step of the process out and what the result of that step will be.

Once you are done you can refer to the worked solutions pdf to see the answers and see how you did!

### Problem 1

Command:

```
echo "The number $(( 5-2 ))" > number.txt
```

### Problem 2

Command:

```
ls /etc | grep net > net.txt
```

### Problem 3

Command:

```
#!/bin/bash
IFS=,
folder=people
name=john,jane,abhishek
mkdir $folder && cd $folder && touch $name
```

**Useful Note 1:** Shebang lines and variable assignments are not processed in the same way. Just skip these lines.

**Useful Note 2:** Don't worry about the meaning of &&, just focus on how the command line would be processed (&& is a control operator).

### Problem 4

Command:

```
touch "Daily Report $(date +"%a %d %h %y")"
```