

Exercise: Shell scripts

1. Write a shell script to get the current date, time, username and current working directory.

filipdaskalovski@DESKTOP-180FJ2H: ~

```
GNU nano 6.2 numberone.sh
#!/bin/bash
# date, time, user, directory
currentdate=$(date)
echo Today's date is: ${currentdate}
theuser="$USER"
echo "The user in question is $theuser"
echo $PWD
```

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2. Write a shell script that prints "I love learning about DevOps" on the screen. Message should be a variable.

filipdaskalovski@DESKTOP-180FJ2H: ~

```
GNU nano 6.2 numbertwo.sh
#!/bin/bash
# Print a sentence
var="I love learning about DevOps"
echo The message that needs to be displayed is: $var
```

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3. Write a shell script that displays "plan code build test release deploy" on the screen with each appearing on a separate line.

filipdaskalovski@DESKTOP-180FJ2H: ~

```
GNU nano 6.2 numberthree.sh
#!/bin/bash
# Display words on separate lines
var='plan
code
build
test
release
deploy'
echo "$var"
```

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4. Write a shell script that prompts the user for a name of a file or directory and reports if it is a regular file, a directory, or another type of file. Also perform a ls command against the file or directory with the long listing option.

filipdaskalovski@DESKTOP-180FJ2H: ~

```
GNU nano 6.2 numberfour.sh
#!/bin/bash

echo "Enter a file name or directory"
read something
if [ -f "$something" ]
then
    echo "$something is file"
elif [ -d "$something" ]
then
    echo "$something is a directory"
else
    echo "$something This is something else entirely"
fi
ls -l $something
```

filipdaskalovski@DESKTOP-180FJ2H: ~

```
filipdaskalovski@DESKTOP-180FJ2H:~$ ./numberfour.sh
Enter a file name or directory
numberone.sh
numberone.sh is file
-rwxr-xr-x 1 filipdaskalovski filipdaskalovski 165 Mar  7 15:39 numberone.sh
filipdaskalovski@DESKTOP-180FJ2H:~$
```

5. Use arguments in a script. Total number of arguments should be three.

filipdaskalovski@DESKTOP-180FJ2H: ~

```
GNU nano 6.2 numberfive.sh
#!/usr/bin/env bash

echo "You are running a script called $0"
echo "The number of arguments is" $#
echo "Argument one is $1"
echo "All the arguments listed are:" $@
```

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```
filipdaskalovski@DESKTOP-180FJ2H:~$ ./numberfive.sh argument1 argument2 argumentsthres
You are running a script called ./numberfive.sh
The number of arguments is 3
Argument one is argument1
All the arguments listed are: argument1 argument2 argumentsthres
filipdaskalovski@DESKTOP-180FJ2H:~$
```

6. Write a script that till output your name out of a variable and will display the server uptime

filipdaskalovski@DESKTOP-180FJ2H: ~

GNU nano 6.2

numbersix.sh

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

```
# name and uptime
```

```
time=$(uptime -p)
```

```
echo "Please enter your name and surname:"
```

```
read name
```

```
echo "Your full name is $name"
```

```
echo And the uptime is:$time
```

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