

Assignment 0

1. Create a simple shell script to tell the user about their session – they need to know:

- What their username is
- What the current date is
- What the time is
- What their current working directory is
- How many files they have in that directory
- What is the biggest file in their current directory

```
#!/bin/bash
echo "Hello user $LOGNAME"
d= date
echo "Today is $d "
cw= pwd
echo "Your current working directory is $cw"
file= ls | wc -l
echo "Total files you have in your directory is $file"
lar= du -a | sort -n -r | head -n 1
echo "The biggest file in your current directory"
~
```

Assignment 1

Create a directory with a few test files in it (the files can be empty). Now write a script that for every file in that directory you rename it to have an extension of today's date in YYYYMMDD format.

Assignment 2

Write a script that takes a number as an input and reverses it out to the user. For example, if the original number is 74985, the output should be 58947.

```
wolber@LAPTOP-3QS98B59: ~
#!/bin/bash
clear
echo -p "Enter your number: "
read n
echo $num | rev
~
```

Assignment 3

Write a script to validate how secure someone's password is. Things you would care about:

- Length should be 8 or more characters
- The password should contain numbers and letters
- There should be both uppercase and lowercase letters