



Usman Institute of Technology
Department of Computer Science Fall 2022

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Roll no: 20B-115-SE

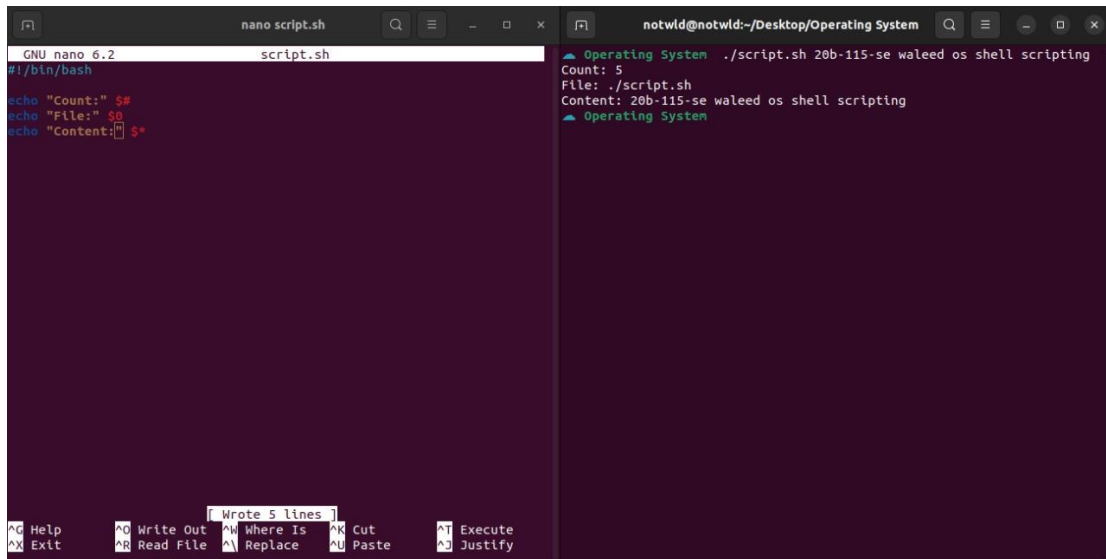
Course: Operating Systems (CS312)

Course Instructor: Ma'am Shabina Mushtaq

Date: 27-Oct-2022

Lab Tasks:

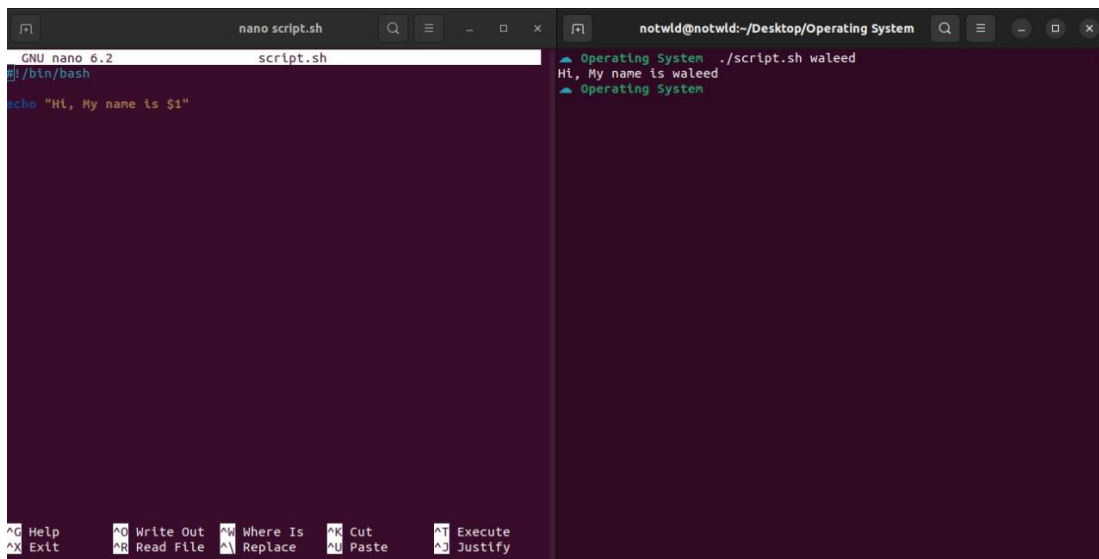
1. Write a shell program that takes one parameter (your name) and displays it on the screen.



```
GNU nano 6.2 script.sh
#!/bin/bash
echo "Count:" $#
echo "File:" $0
echo "Content:" $*
```

```
Operating System ./script.sh 20b-115-se waleed os shell scripting
Count: 5
File: ./script.sh
Content: 20b-115-se waleed os shell scripting
Operating System
```

2. Write a shell program that takes a number parameters equal to the last digit of your roll number and displays the values of the built-in variables such as \$#, \$0, and \$* on the screen.

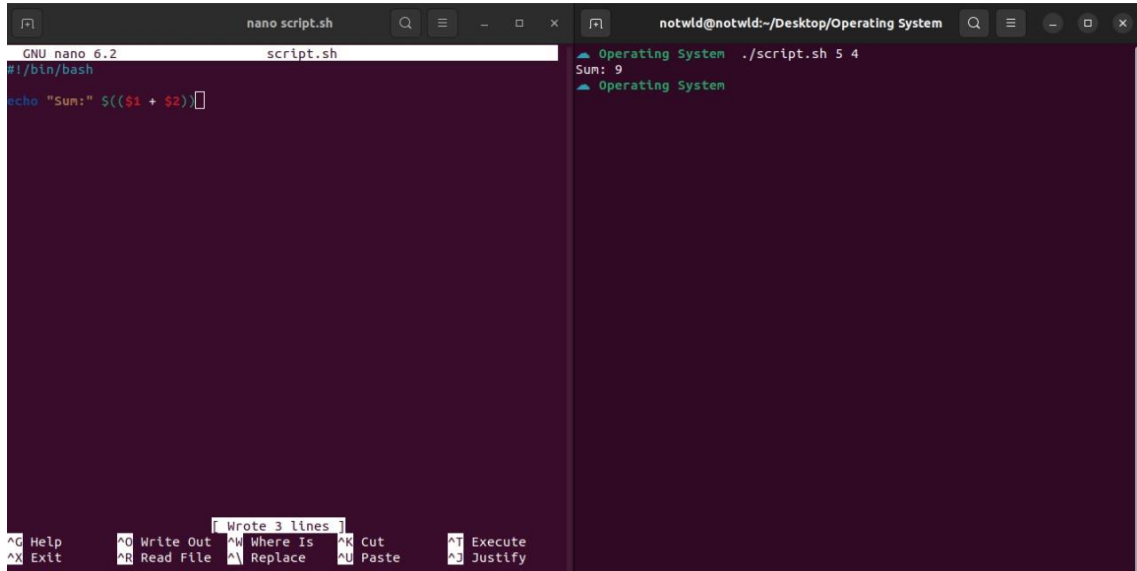


```
GNU nano 6.2 script.sh
#!/bin/bash
echo "Hi, My name is $1"
```

```
Operating System ./script.sh waleed
Hi, My name is waleed
Operating System
```

Muhammad Waleed
20B-115-SE
Operating Systems
Lab#03

3. Write a Shell script to perform addition on numbers provided by command line parameters.



The screenshot shows a terminal window with two panes. The left pane is a nano editor editing a file named 'script.sh'. The content of the script is as follows:

```
#!/bin/bash
echo "Sum:" $(( $1 + $2 ))
```

The right pane shows the execution of the script. The command `./script.sh 5 4` is entered, and the output is `Sum: 9`.

At the bottom of the terminal, there is a status bar with the following text:

```
Wrote 3 lines
^G Help  ^O Write Out  ^W Where Is  ^K Cut       ^J Execute
^X Exit  ^R Read File  ^A Replace   ^U Paste     ^D Justify
```