



Usman Institute of Technology
Department of Computer Science Fall 2022

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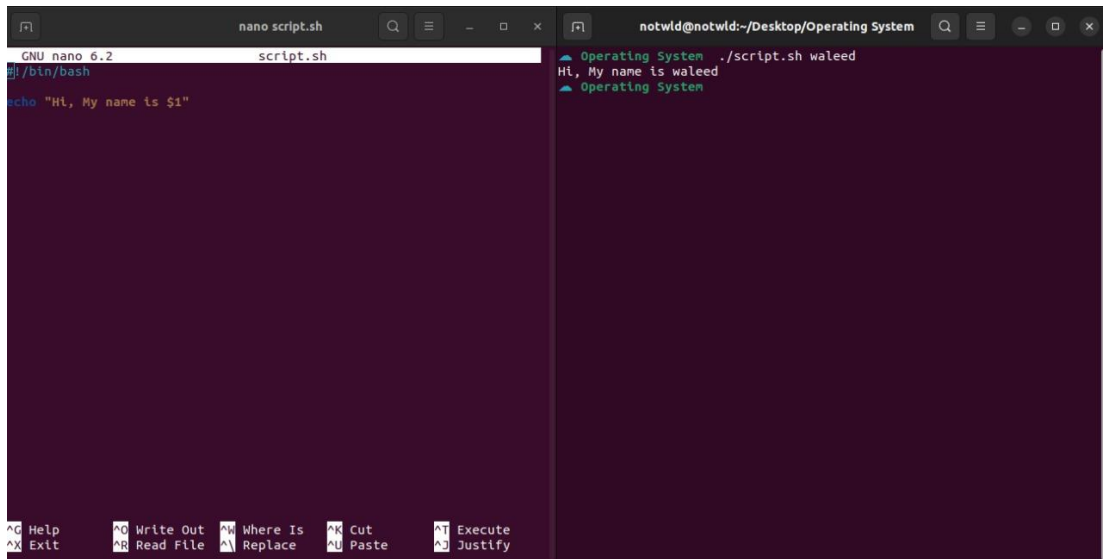
Course: Operating Systems (CS312)

Course Instructor: Ma'am Shabina Mushtaq

Date: 27-Oct-2022

Lab Tasks:

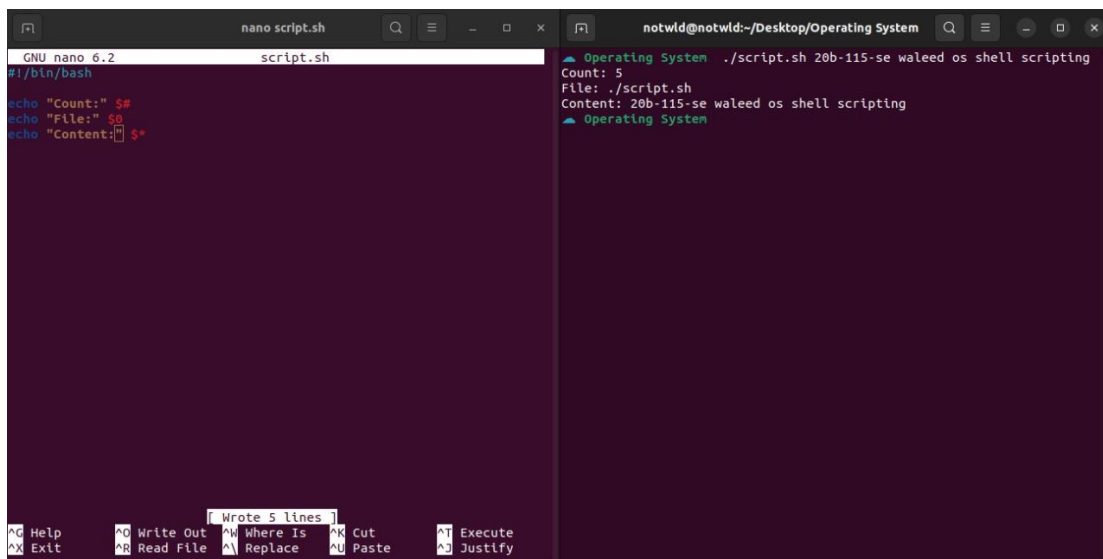
1. Write a shell program that takes one parameter (your name) and displays it on the screen.



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

```
notwld@notwld:~/Desktop/Operating System
Operating System ./script.sh waleed
Hi, My name is waleed
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.

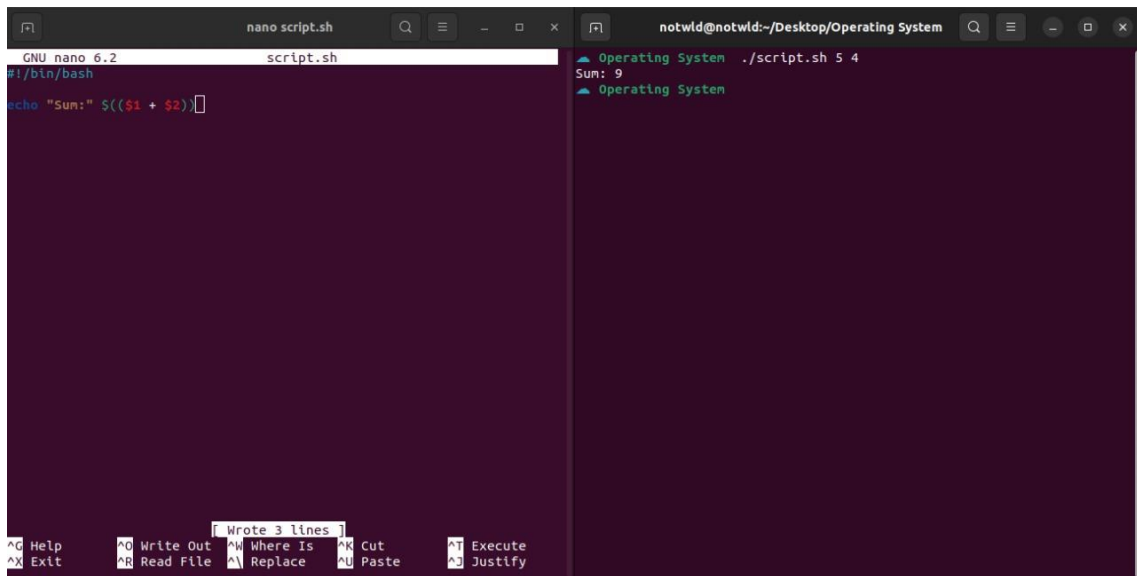


```
GNU nano 6.2 script.sh
#!/bin/bash
echo "Count:" $#
echo "File:" $0
echo "Content:" $*
```

```
notwld@notwld:~/Desktop/Operating System
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
```

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

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

The right pane shows the execution of the script with the command `./script.sh 5 4`. The output of the script is:

```
Sum: 9
```

The terminal window title is `notwld@notwld:~/Desktop/Operating System`. The nano editor's status bar at the bottom indicates "Wrote 3 lines" and lists various keyboard shortcuts.