**Linux Lab – 4**

**Scripting**

**A combination of commands written in a single file.**

**Aim – Write a simple shell script that prints hello world when executed.**

**Step 1 – Create an empty file say “script.sh” by typing the following command.**



**Step 2 – Now type the following to write a shell script. We used vim command for this purpose.**



**Step 3 – Type the following commands in our shell.**



**Step 4 – Now to save and exit type the following then press enter.**



**Step 5 – Then use the bash command to run our shell script.**



**Aim – Create a script that prompts the user to enter their name & then display a personalized greeting.**

**Step 1 – Create an empty file say “script1.sh” by typing the following command.**



**Step 2 – Now type the following to write a shell script. We used vim command for this purpose.**



**Step 3 – First we ask the user to enter their name, after that take input and then store it in v\_name then used $v\_name to print the value of variable which is the name entered by the user.**



**Step 4 – Now to save and exit type the following then press enter.**



**Step 5 – Now run the script using bash command as follows:**

* **The Script takes name as input and prints a custom greeting likewise.**



**Aim – Write a script that takes two numbers as input & perform various arithmetic operations such as addition, subtraction, multiplication & division.**

**Step 1 – Create an empty file say “script2.sh” by typing the following command.**



**Step 2 – Now type the following to write a shell script. We used vim command for this purpose.**



**Step 3 – Now we write our script as follows:**

* **First take two numbers as input and store them inside the variables a &b respectively.**
* **Then we use some basic arithmetic operators with the following syntax.**



**Step 4 – Now to save and exit type the following then press enter.**



**Step 5 – Then use the bash command to run our shell script.**



**Aim – Create a script that asks the user to enter their age & displays a message based on whether they are eligible to vote or not.**

**Step 1 – Create an empty file say “script2.sh” by typing the following command.**



**Step 2 – Now type the following to write a shell script. We used vim command for this purpose.**



**Step 3 – First, we take user’s input using read command and store it in a variable v\_age then we print the user’s age and then use if-else statements as follows to check whether the user can vote or not.**

**Here -gt means greater than & fi is part of if-else syntax.**



**Step 4 – Now to save and exit type the following then press enter.**



**Step 5 – Then use the bash command to run our shell script.**

