

Hello everyone! In this video, we will learn about Shell Script writing and execution.

To write and execute a shell script, you need to have a computer with Linux os along with a code editor such as visual studio code, notepad, Vim, mousepad etc.:

Following are the Steps for Writing and Executing Shell Scripting.

Open the terminal in Linux OS that you are using.

Go to the directory where you want to create your script

Create a file with .sh extension

Make the script executable with command `chmod +x <fileName>`

Write the script in the file using an editor

Run the script using `./<fileName>`.

Let's Perform them one by one.

Open the terminal, move to the directory of your choice (video directory here), and run the touch command with the filename to create a file

Run the `ls -l` command to view the permissions of the file you have created.

From the command above, read and write permissions are enabled and no executable permission is enabled.

Use `chmod` command as shown to allow the current user to execute the file.

Let's write the script code now.

Open the newly created script file in the editor of your choice such as nano, vi or vim and enter the code shown in

the image. This script displays System Information as per the number entered by the user (0 to 3). After entering the code Save the script file and exit.

Let's understand the script, line by line.

you can see First Line declare the shell using she-bang
Then `cat<<EOF` command displays the following lines on console. It ends on EOF in line no 6.

Echo command is used to ask for selection from given options,

Read command in line 8 allows to read the input from user in a variable 'sel'.

Now case and if, else statements are used to display output based on user choice.

Options 1 will show hostname set in system with current time

"`du -sh $HOME`" will show space in current system and current users in options from the selection 2 and 3

And Option 0 terminates the script

The Script created in the previous step can be executed using the command. `/ file name` where the script file has .sh extension.

you can see the output based on user input as shown in the snapshots. The output for option1 displays hostname, the second option displays the disk space and option three displays the space utilization of current user.

Thank You...