

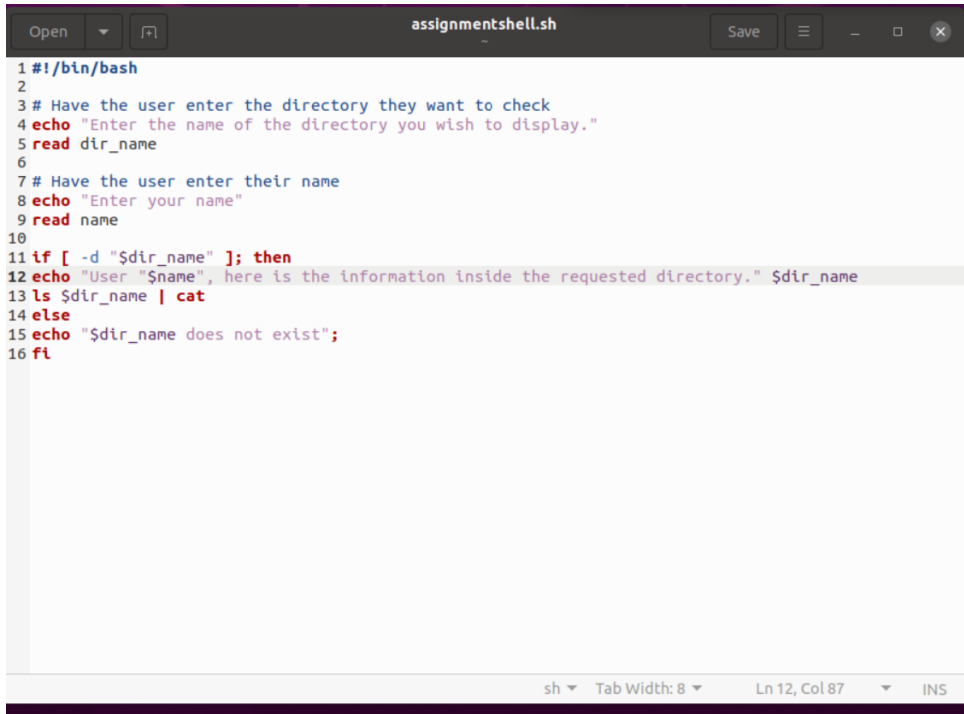
## Shell Scripting

### Ubuntu - Text Editor & Terminal

#### Overview:

This project's purpose is to display the use and implementation of shell scripting. Using Ubuntu's terminal to compile and run the scripts. While using the text editor to create .sh scripts to pull and use in the terminal. This program asks the user to display what directory they are looking for and the name under it. Then prints all the directories from the desired location.

#### Step One (Create a file with the text editor):



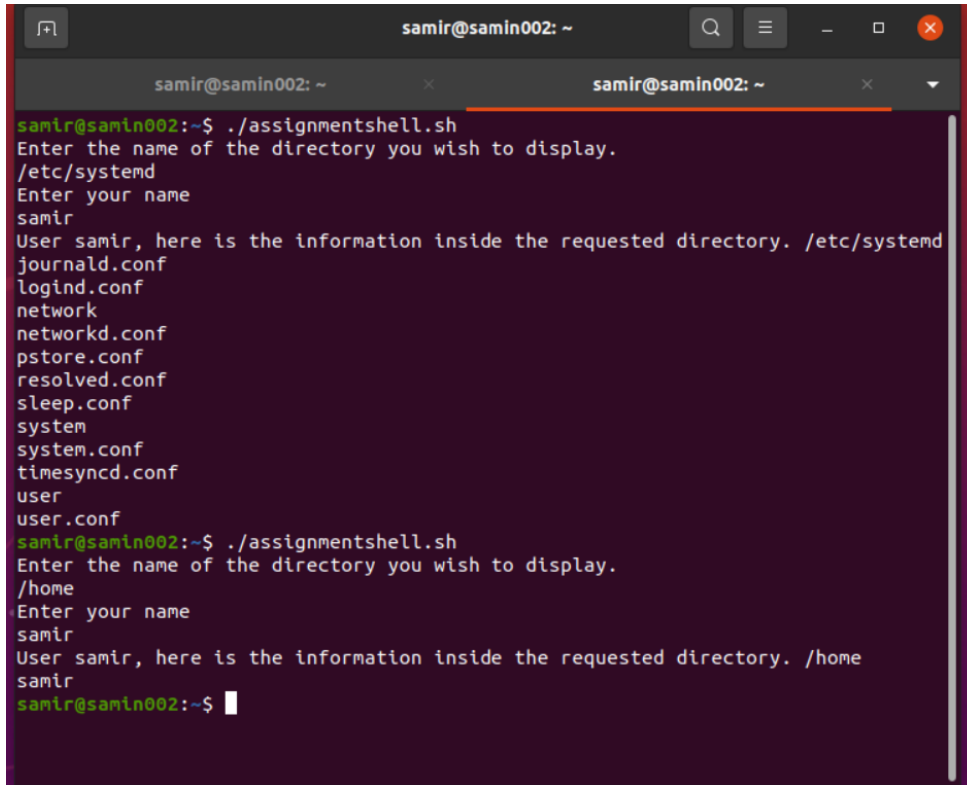
```
1 #!/bin/bash
2
3 # Have the user enter the directory they want to check
4 echo "Enter the name of the directory you wish to display."
5 read dir_name
6
7 # Have the user enter their name
8 echo "Enter your name"
9 read name
10
11 if [ -d "$dir_name" ]; then
12 echo "User "$name", here is the information inside the requested directory." $dir_name
13 ls $dir_name | cat
14 else
15 echo "$dir_name does not exist";
16 fi
```

The screenshot shows a text editor window titled 'assignmentshell.sh'. The script content is as follows:

```
1 #!/bin/bash
2
3 # Have the user enter the directory they want to check
4 echo "Enter the name of the directory you wish to display."
5 read dir_name
6
7 # Have the user enter their name
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11 if [ -d "$dir_name" ]; then
12 echo "User "$name", here is the information inside the requested directory." $dir_name
13 ls $dir_name | cat
14 else
15 echo "$dir_name does not exist";
16 fi
```

The status bar at the bottom indicates 'sh', 'Tab Width: 8', 'Ln 12, Col 87', and 'INS'.

## Step Two (Use the terminal to run the shell script):

A terminal window titled 'samir@samin002: ~' with standard window controls. It shows two runs of a script named './assignmentshell.sh'. In the first run, the user enters '/etc/systemd' and 'samir', resulting in a list of configuration files in that directory. In the second run, the user enters '/home' and 'samir', resulting in a list of files in the home directory.

```
samir@samin002:~$ ./assignmentshell.sh
Enter the name of the directory you wish to display.
/etc/systemd
Enter your name
samir
User samir, here is the information inside the requested directory. /etc/systemd
journald.conf
logind.conf
network
networkd.conf
pstore.conf
resolved.conf
sleep.conf
system
system.conf
timesyncd.conf
user
user.conf
samir@samin002:~$ ./assignmentshell.sh
Enter the name of the directory you wish to display.
/home
Enter your name
samir
User samir, here is the information inside the requested directory. /home
samir
samir@samin002:~$
```