

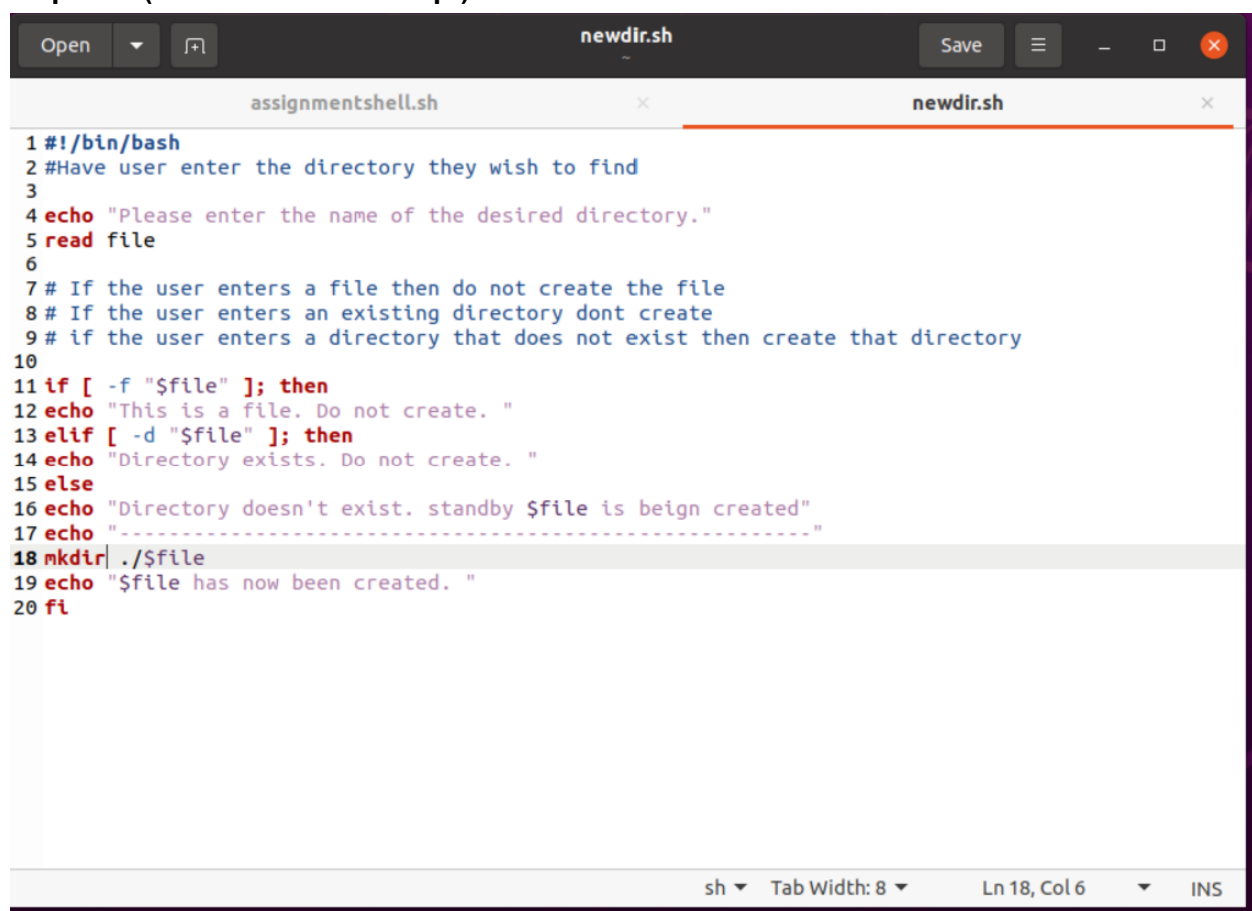
## Creating New-Directories

### Ubuntu - Text Editor & Terminal

#### Overview:

This project's purpose is to use and implement the code that was created with the shell script. It will read the name of the directory that the user inputs. It will check whether the given input is a directory or a regular file. Then it will find out with the usage of if, elif, & else function. If the input is a directory and it exists. If it exists it will display the message "Directory exists. Don't create". Also If the input is a regular file, then it will display the same message. However if the input does not exist, then it will create the new directory with the given input name.

#### Step One (Start Your Shell Script):



```
1 #!/bin/bash
2 #Have user enter the directory they wish to find
3
4 echo "Please enter the name of the desired directory."
5 read file
6
7 # If the user enters a file then do not create the file
8 # If the user enters an existing directory dont create
9 # if the user enters a directory that does not exist then create that directory
10
11 if [ -f "$file" ]; then
12 echo "This is a file. Do not create. "
13 elif [ -d "$file" ]; then
14 echo "Directory exists. Do not create. "
15 else
16 echo "Directory doesn't exist. standby $file is beign created"
17 echo "-----"
18 mkdir ./ $file
19 echo "$file has now been created. "
20 fi
```

## Step Two (Find The Directories That Are Currently Their):

```
samir@samin002: ~  
samir@samin002:~$ ls -al  
total 136812  
drwxr-xr-x 23 samir samir      4096 Nov  5 19:23 .  
drwxr-xr-x  3 root root       4096 Oct 20 2021 ..  
-rwxrwxr-x  1 samir samir      395 Nov  5 19:09 assignmentshell.sh  
-rw-----  1 samir samir    12270 Nov  5 19:04 .bash_history  
-rw-r--r--  1 samir samir     220 Oct 20 2021 .bash_logout  
-rw-r--r--  1 samir samir    3771 Oct 20 2021 .bashrc  
drwxr-xr-x 13 samir samir     4096 Nov  2 18:25 .cache  
drwx----- 14 samir samir     4096 Nov  2 20:01 .config  
drwxrwxr-x  2 samir cyse270    4096 Oct 20 2021 cyse-270  
drwxrwxr-x  2 samir samir     4096 Oct 20 2021 cyse_270  
drwxrwxr-x  2 samir samin002   4096 Oct 20 2021 cyse_project  
drwxr-xr-x  2 samir samir     4096 Nov  2 18:28 Desktop  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Documents  
drwxr-xr-x  2 samir samir     4096 Nov  2 18:28 Downloads  
drwxrwxr-x  2 samir samir     4096 Nov  2 20:00 extracredit.txt  
drwx-----  3 samir samir     4096 Nov  5 17:05 .gnupg  
drwx-----  2 samir samir     4096 Nov  2 17:20 .john  
drwxr-xr-x  3 samir samir     4096 Oct 20 2021 .local  
drwx-----  4 samir samir     4096 Nov  2 18:25 .mozilla  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Music  
-rw-----  1 samir samir        79 Nov  5 18:31 nano.save  
drwxrwxr-x  2 samir samir     4096 Oct 20 2021 newdir  
-rwxrwxr-x  1 samir samir      646 Nov  5 19:21 newdir.sh  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Pictures  
-rw-r--r--  1 samir samir     807 Oct 20 2021 .profile  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Public  
-rw-rw-r--  1 samir samir   139921497 Nov  2 18:28 rockyou.txt
```

## Step Two Continued..

```
samir@samin002: ~  
drwx-----  2 samir samir     4096 Nov  2 17:20 .john  
drwxr-xr-x  3 samir samir     4096 Oct 20 2021 .local  
drwx-----  4 samir samir     4096 Nov  2 18:25 .mozilla  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Music  
-rw-----  1 samir samir        79 Nov  5 18:31 nano.save  
drwxrwxr-x  2 samir samir     4096 Oct 20 2021 newdir  
-rwxrwxr-x  1 samir samir      646 Nov  5 19:21 newdir.sh  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Pictures  
-rw-r--r--  1 samir samir     807 Oct 20 2021 .profile  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Public  
-rw-rw-r--  1 samir samir   139921497 Nov  2 18:28 rockyou.txt  
-rw-r--r--  1 root root         0 Oct 25 2021 samin002.txt  
-rw-rw-r--  1 samir samir       795 Nov  2 19:35 saminzay.hash  
-rw-rw-r--  1 samir samir       789 Nov  2 19:17 Samiraminzay2002.hash  
drwxrwxr-x  2 samir samir     4096 Nov  5 19:23 samirfile.txt  
-rw-rw-r--  1 samir samir     1024 Nov 15 2021 .scr.sh.swp  
-rwxrwxr--  1 samir samir       272 Nov  5 17:14 shell.script  
-rw-rw-r--  1 samir samir      646 Nov  5 19:20 shellscrip2.sh  
-rw-rw-r--  1 samir samir         6 Oct 20 2021 Sophia_homework  
drwx-----  2 samir samir     4096 Oct 20 2021 .ssh  
-rw-r--r--  1 samir samir         0 Oct 20 2021 .sudo_as_admin_successful  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Templates  
-rw-r-----  1 samir samir         5 Nov  5 18:29 .vboxclient-clipboard.pid  
-rw-r-----  1 samir samir         5 Nov  5 18:29 .vboxclient-display-svg-x11  
.pid  
-rw-r-----  1 samir samir         5 Nov  5 18:29 .vboxclient-draganddrop.pid  
-rw-r-----  1 samir samir         5 Nov  5 18:29 .vboxclient-seamless.pid  
drwxr-xr-x  2 samir samir     4096 Oct 20 2021 Videos  
samir@samin002:~$
```

### Step Three (Use The Terminal):

```
samir@samin002:~$ chmod a+x ./newdir.sh
samir@samin002:~$ samirfile.txt
samirfile.txt: command not found
samir@samin002:~$ chmod a+x ./newdir.sh
samir@samin002:~$ ./newdir.sh
Please enter the name of the desired directory.
samirfile.txt
Directory exists. Do not create.
samir@samin002:~$ ./newdir.sh
Please enter the name of the desired directory.
aminzayfile.txt
Directory doesn't exist. standby aminzayfile.txt is beign created
-----
aminzayfile.txt has now been created.
samir@samin002:~$
```

### Step Four (Show That The Shell Script Can Create a New Directory):

```
aminzayfile.txt has now been created.
samir@samin002:~$ ls -al
total 136816
drwxr-xr-x 24 samir samir      4096 Nov  5 19:26 .
drwxr-xr-x  3 root  root      4096 Oct 20  2021 ..
drwxrwxr-x  2 samir samir      4096 Nov  5 19:26 aminzayfile.txt
drwxrwxr-x  1 samir samir      4096 Nov  5 19:00 aminzayfile.txt
```