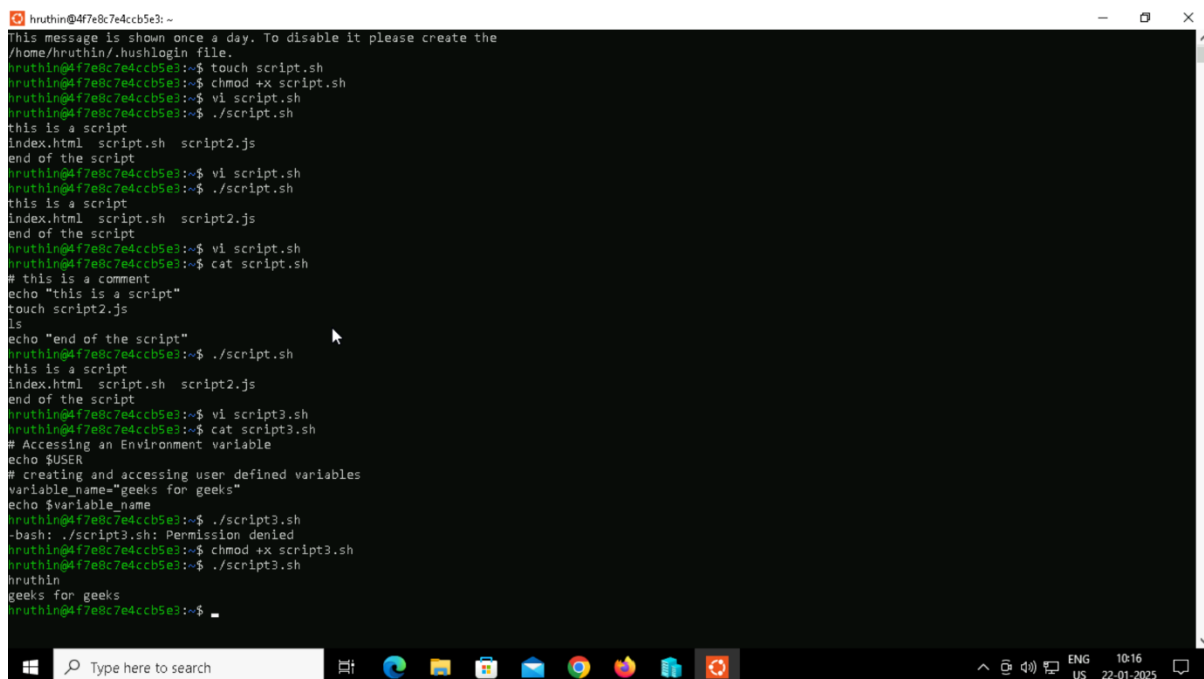


Linux and shell scripting exercises

create a new shell script

1. Create a new shell script
2. Change the executable permissions
3. Open the script file
4. give the script
5. run it

1. create a new shell script file
2. change the executable permissions
3. type the script for accessing user defined variables and environmental variables
4. run the file

A terminal window showing the process of creating and running shell scripts. The user creates 'script.sh' and 'script2.js', sets permissions, and runs them. Then, they create 'script3.sh' with content for accessing environment and user-defined variables, set permissions, and run it. The terminal output shows the script's content and the result of running it, which prints 'geeks for geeks'.

```
hnruthin@4f7e8c7e4ccb5e3: ~  
This message is shown once a day. To disable it please create the  
/home/hnruthin/.hushlogin file.  
hnruthin@4f7e8c7e4ccb5e3:~$ touch script.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ chmod +x script.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ vi script.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ ./script.sh  
this is a script  
index.html script.sh script2.js  
end of the script  
hnruthin@4f7e8c7e4ccb5e3:~$ vi script.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ ./script.sh  
this is a script  
index.html script.sh script2.js  
end of the script  
hnruthin@4f7e8c7e4ccb5e3:~$ vi script.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ cat script.sh  
# this is a comment  
echo "this is a script"  
touch script2.js  
ls  
echo "end of the script"  
hnruthin@4f7e8c7e4ccb5e3:~$ ./script.sh  
this is a script  
index.html script.sh script2.js  
end of the script  
hnruthin@4f7e8c7e4ccb5e3:~$ vi script3.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ cat script3.sh  
# Accessing an Environment variable  
echo $USER  
# creating and accessing user defined variables  
variable_name="geeks for geeks"  
echo $variable_name  
hnruthin@4f7e8c7e4ccb5e3:~$ ./script3.sh  
-bash: ./script3.sh: Permission denied  
hnruthin@4f7e8c7e4ccb5e3:~$ chmod +x script3.sh  
hnruthin@4f7e8c7e4ccb5e3:~$ ./script3.sh  
hnruthin  
geeks for geeks  
hnruthin@4f7e8c7e4ccb5e3:~$
```

```
huthin@4f7e8c7e4ccb5e3: ~  
# this is a comment  
echo "this is a script"  
touch script2.js  
ls  
echo "end of the script"  
  
"script.sh" 5L, 89B
```

```
huthin@4f7e8c7e4ccb5e3: ~  
# Accessing an Environment variable  
echo $USER  
# creating and accessing user defined variables  
variable_name="geeks for geeks"  
echo $variable_name  
  
"script3.sh" 5L, 148B
```