==========Session 1***ASSIGNMENT==========

1. Write how many types of shells?
    1. Broune shell
    2. korn shell
    3. C shell
    4. T shell
    5. Z shell
    6. Bash shell
2. Create a shell script file.
    gedit <file_name.sh>
3. Create a shell script file and execute (hello world)
    gedit file1.sh

>> echo "Hello World"
Then ctrl + s and ctrl + q
>> ./file1.sh
>> ls -l
>> chmod u+x file1.sh
>> ./file1.sh

4. Create a shell script and take the user permission to execute the file.
    gedit file2.sh

>> echo "Hello World"
Then ctrl + s and ctrl + q
>> ./file2.sh
>> ls -l
>> chmod u+x file1.sh
>> ./file2.sh

5. How to switch one shell to another shell.(copy and paste)
First, find out the available shells on your Linux box, runcat /etc/shells
Type chsh and press Enter key
You need to enter the new shell full path. For example, /bin/ksh
Log in and log out to verify that your shell changed correctly on Linux operating systems

>> cat /etc/shells
>> grep "zsh" /etc/shells
>> grep "fish" /etc/shells

6. By using sha-bang execute one file.
    >>gedit file4.txt

>> #!/bin/sh
>> echo "Hello!"

ctrl + s and ctrl + q
>> sh file4.sh

7. Consider the following variable declaration

```
echo name  ==>name

 echo $name  ==>valid

echo '$name' ==>$name

echo "$name"===>valid
```

```
>> gedit file5.sh
>> #!/bin/sh
>> name="Anjali"
>>echo $name

>>if [$name= "Anjali"]
>>then
>>echo "Yes"
>>else
>>echo "No"
>>fi
```

8. To print the number of files in the current working directory

```
>> pwd
>> ls
```

9. To display the number of lines present in the file

```
>> wc -l sum.sh
```

10. print current working directory.

```
>> pwd
```

11. write a script to read employee details and save to the emp.txt file.

```
>> gedit file6.sh
>> read -p "Enter the employee name: " name
>> read -p "Enter the employee address: " adr
>> read -p "Enter the employee phone: " phn
>> read -p "Enter the employee salary: " sal
>> echo "$name"
>> echo "$adr"
>> echo "$phn"
```

>> echo "$sal"
ctrl + s and ctrl + q
>> ./file6.sh
>> ls -l
>> chmod u+x file6.sh
>> ./file6.sh

12. write a script to read name from the end user and if name is sathyathen display Some special messages.
>> gedit file7.sh
>> read -p "Enter the name: " name
>> if [$name="sathaya"]
>> then
>> echo "How are you Sathaya"
>> else
>> echo "not matching"
>> fi

13. Write a simple if else statement.
>> gedit file8.sh
>> read -p "Enter a number: " n
>> if [$n=10]
>> then
>> echo "this is Ten"
>> else
>> echo "Not Ten"
>> fi

14. write a simple case Statement.

```
read -p "enter any digit from 0 to 9: " n
case $n in
0)
echo "this is Zero"
;;
1)
echo "this is one"
;;
2)
echo "this is two"
;;
3)
echo "this is three"
```

```
;;
4)
echo "this is four"
;;
5)
echo "this is five"
;;
6)
echo "this is six"
;;
7)
echo "this is seven"
;;
8)
echo "this is eight"
;;
9)
echo "this is nine"
;;

*)
default echo "nothing"
;;
esac
```

==========Session 2***ASSIGNMENT==========

1. Create a local git repository
>> mkdir myrepo
>> cd myrepo
>> git init

2. Commit the initial code
>> git add .
>> git commit -m "message"

3. Update the code
>> cat>>file.txt
        //add some text
>> cat file.txt

4. Use git commands to

git config
git init
git clone
git add
git commit
git diff
git reset
git status
git rm
git log
git show
git tag
git branch
git checkout
git merge
git remote
git push
git pull
git stash

5. List the changes
>> git diff

6. Create branch
>> git branch <branch_name>

7. Merge branch
>> git checkout master
>> git merge <branch_name>