

Deops

LAB-01

T.

mkdir gg

cd gg

touch cse ise aiml alds cce etc

mkdir itbranch circuitbranch others

echo "Students of SIT" > students

ln -s ~/students /tmp/students_softlink

ln ~/students /tmp/students_hardlink

ls -li ~/students /tmp/students_softlink

/tmp/students_hardlink

D.

mkdir lab12

cd lab12

vi script_abcr.sh

i

while true

do

echo "-----"

echo " SHELLSCRIPT MENU "

echo " ----- . Exit . ----- "

echo " 1. Save ls -ltr output to

goldberg file "

echo " 2. Display first day of oddsem

3rd sem is dd/mm/yyyy "

echo " 3. Check backup status on current day "

echo "-----"

read -p "Enter your choice [1-4]!" choice

echo

case \$choice in

1) ls -ltr > goldberg

echo "outputfile saved to goldberg"

;;

2) day = 18

month = novembar

year = 2005

echo "First day of oddsem 3rd sem
is \$(days/18months/4years)"

;;

3) dayname=\$(date +\%A)

if ["\$dayname" = "Sunday"]; then

echo "Today is \$dayname - Full system

elif ["\$dayname" = "Wednesday"]; then

echo "Today is \$dayname - incremental backup"

else

echo "No backup scheduled"

fi

;; dayname=\$dayname

4) echo "Exiting"

break

;; invalid input

* echo "Invalid choice"

;;

esac

done

chmod +x script_abcr.sh

./script_abcr.sh



LAB-02 :

I.

```

mkdir lab2
cd lab2
git init
git config --global user.name " "
git config --global user.email " "
echo "Hello, Git" | git hash-object -stdin-w
git cat-file sha1sum -p
git cat-file sha1sum -t
git cat-file sha1sum -s

```

II.

```

mkdir lab2
cd lab2
git init
echo "Hello, Git" > file1.txt
echo "second file in git repository" > file2.txt
git write-tree
git add file1.txt file2.txt
git commit -m "initial commit"
git status
git log
git cat-file -p sha1sum
git cat-file -t sha1sum
git cat-file -p sha1sum(bree)
git cat-file -t sha1sum(tree)

```

LAB 3:

I

```

mkdir lab3
cd lab3
git init
git status
echo "file" > file.txt
git status
git add file.txt
git status

```

git commit -m "first commit"

git status
echo "newfile" > file.txt
git add .

git status
git commit -m "second commit"
git status
git checkout
git status

III.

mkdr lab3

```

cd lab3
git init
echo "file1" > file1.txt
echo "file2" > file2.txt
git status
git add file1.txt file2.txt
git status
git commit -m "First commit"
git status
echo "new file1" > file1.txt
git status
git add .
git status

```

III.

```

echo "file3" > file3.txt
git status
git add .
git status
git commit -m "Second"
git status

```

LAB 04

I.

```

mkdir lab4
cd lab4
git init
echo "Hello, Git" > file1.txt
echo "second file" > file2.txt
git add file1.txt file2.txt
git write-tree
git commit -m "our first"
git log
echo "Third" > file3.txt
git add file1.txt file2.txt file3.txt
git commit -m "second"
git log
git cat-file -p HEAD
rm file1.txt file2.txt file3.txt

```

II.

```

rm file1.txt file2.txt file3.txt
git add -u
git write-tree
git commit -m "third"
git log
git cat-file sha1sum -p
git cat-file sha1sum(2) -p

```

LAB 05

I.

```

mkdir labs1
cd labs1
git init
echo "hi" > file1.txt
echo "new" > file2.txt
git add file1.txt file2.txt
git write-tree
git commit -m "our very"
echo "new1" > file3.txt
git add file1.txt file2.txt file3.txt

```

classmate
Data _____
Page _____

```

git write-tree
git commit -m "Second Commit"
git log
rm file1.txt file2.txt file3.txt
git add -u
git write-tree
git commit -u "Third Commit"
git log
git cat-file -p HEAD
mkdir merge
cd merge
git init
echo "root" > file.txt
git add file.txt
git commit -am "Root Commit"
echo "master1" > file.txt
git commit -am "Master Commit 1"
git checkout -b BR-102
echo "BR-102 1" > file.txt
git commit -am "BR-102 Commit 1"
echo "BR-102 2" > file.txt
git commit -am "BR-102 Commit 2"
git checkout -b temp
echo "temp1" > file.txt
git commit -am "temp Commit 1"
echo "temp2" > file.txt
git commit -am "temp Commit 2"
git checkout BR-102
echo "BR-102 3" > file.txt
git commit -am "BR-102 Commit 3"
git checkout master
echo "master 2" > file.txt
git commit -am "master Commit 2"

```

```
git checkout -b exp
echo "exp1" >> file.txt
git commit -am "exp commit 1"
echo "exp2" >> file.txt
git commit -am "exp commit 2"
echo "exp3" >> file.txt
git commit -am "exp commit 3"
git checkout master
echo "master 3" >> file.txt
git commit -am "master commit 3"
```

```
git checkout exp
```

```
git merge temp
```

```
-----
```

```
resolve conflict
```

```
nano file.txt
```

```
ctrl + o
```

```
enter
```

```
ctrl + x / ctrl + q
```

```
git add file.txt
```

```
git commit -m "merge"
```

```
black screen
```

```
git log --oneline --decorate --graph --all
```

```
escape ! wq (without saving)
```

```
-----
```

```
git log --oneline --decorate --graph --all
```

```
6 commits
```

```
-----
```

```
git log --oneline --decorate --graph --all
```

```
-----
```

```
git log --oneline --decorate --graph --all
```

```
-----
```

```
git log --oneline --decorate --graph --all
```

```
-----
```

```
git log --oneline --decorate --graph --all
```