

Demops

LAB-01

Q.

```
mkdir gg
cd gg
touch cse ise aml ai-da ecc 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
```

Q.

```
mkdir lab2
cd lab2
vi script-abc.sh
i
while true
do
echo "-----"
echo "SHELLSCRIPT MENU"
echo "-----"
echo "1. Save ls -ltr output to golubhg 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 > golubhg
echo "output file saved to golubhg"
;;
```

classmate

Date

Page

2) day = 18

month = november

year = 2005

echo "First day of oddsem 3rd sem
is \$(day) / \$(month) / \$(year)"

;;

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

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

echo "Today is \$dayname - Full system backup"

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

echo "Today is \$dayname - Incremental backup"

else

echo "No backup scheduled"

fi

;;

4) echo "Exiting"

break

;;

*) echo "Invalid choice"

;;

esac

echo

done

chmod +x script-abc.sh

./script-abc.sh



LAB-02

I.

```

mkdir lab21
cd lab21
git init
git config --global user.name " "
git config --global user.email " "
echo "Hello, Git" | git hash-object -stdin -w
git cat-file shasum -p
git cat-file shasum -t
git cat-file shasum -s

```

II.

```

mkdir lab22
cd lab22
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 shasum
git cat-file -t shasum
git cat-file -p shasum(bce)
git cat-file -t shasum(bce)

```

LAB 3:

I.

```

mkdir lab31
cd lab31
git init
git status
echo "file" > file.txt
git status
git add file.txt
git status

```

classmate

```

git commit -m "first commit"
git status
echo "new file" > file.txt
git add .
git status
git commit -m "second commit"
git status
git checkout
git status

```

II.

```

mkdir lab32
cd lab32
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 .

```

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 "Thurd" > file3.txt
git add file1.txt file2.txt file3.txt
git commit -m "second"
git log
git cat-file shasum(1) -p
git cat-file shasum(2) -p

```

II.

```

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

```

LAB 05

I.

```

mkdir lab51
cd lab51
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

```

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

II.

mkdir mer

cd mer

git init

echo "root" > file.txt

git add file.txt

git commit -am "Root commit"

echo "master 1" >> 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 "temp 1" >> file.txt

git commit -am "temp commit 1"

echo "temp 2" >> 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

black screen

↑

escape ! wq

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

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

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