

Institute of Computer Technology
B. Tech Computer Science and Engineering
Subject: BOSS (2CSE204)

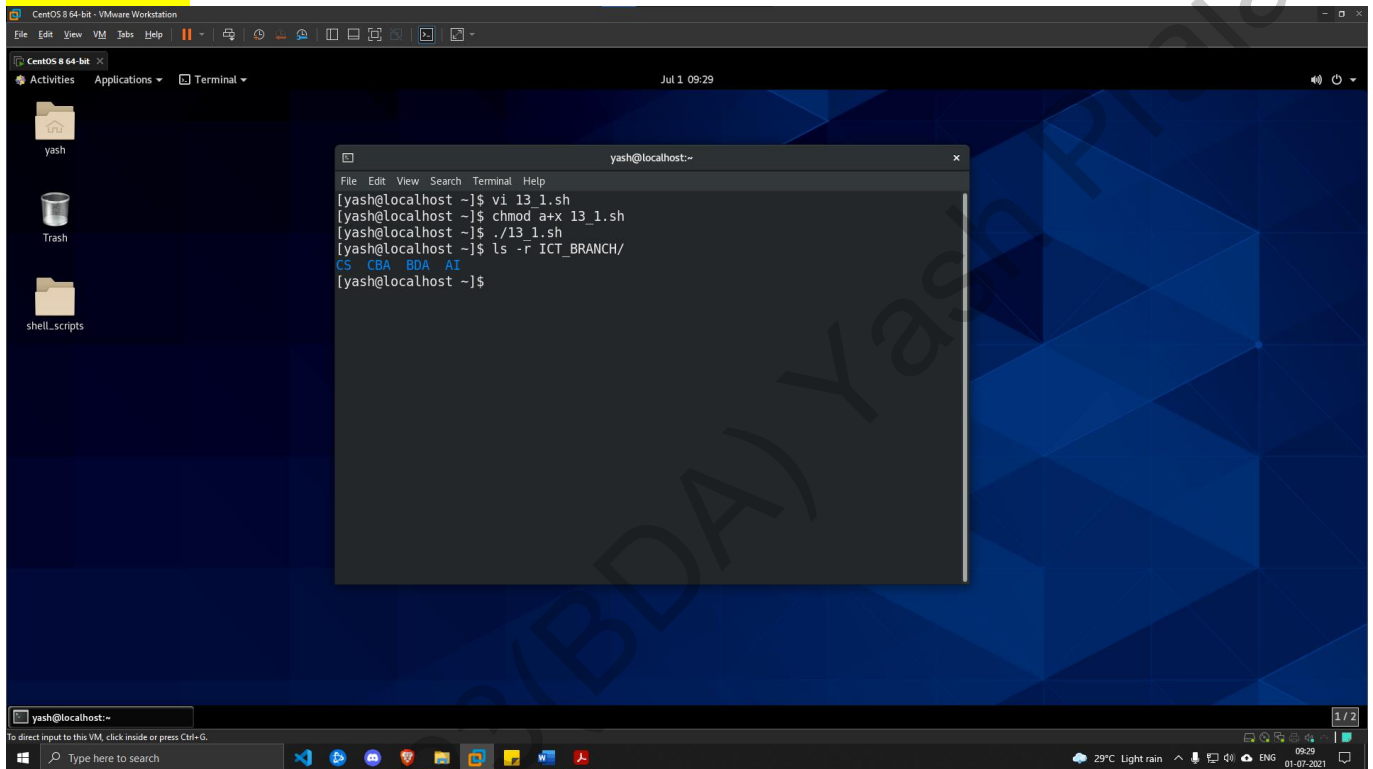
PRACTICAL-13

AIM: - To learn about shell scripting in linux.

Exercise:

- 1. Implement a shell script to create directory ICT_Branch and sub directories CS, CBA, BDA and AI.**

SOLUTION



The screenshot shows a Linux desktop environment with a terminal window open. The terminal displays the following commands and output:

```
[yash@localhost ~]$ vi 13_1.sh
[yash@localhost ~]$ chmod a+x 13_1.sh
[yash@localhost ~]$ ./13_1.sh
[yash@localhost ~]$ ls -l ICT_BRANCH/
CS CBA BDA AI
[yash@localhost ~]$
```

The terminal window is titled "yash@localhost:~". The desktop background is a blue geometric pattern. The taskbar at the bottom shows various application icons and system status information, including the date and time (09:29, 01-07-2021).

2. Implement a shell script to print current logged in user and current date and time.

SOLUTION

```

CentOS 8 64-bit - VMware Workstation
File Edit View VM Jobs Help
Activities Applications Terminal Jul 1 09:34

yash
Trash
shell_scripts

yash@localhost:~$ vi 13_1.sh
yash@localhost:~$ chmod a+x 13_1.sh
yash@localhost:~$ ./13_1.sh
yash@localhost:~$ ls -r ICT_BRANCH/
CS CBA BDA AI
yash@localhost:~$ touch 13_2.sh;vi 13_2.sh;chmod a+x 13_2.sh
yash@localhost:~$ ./13_2.sh
Current user is:
yash      tty2          2021-07-01 08:29 (tty2)
Current date and time is:
Thu Jul  1 09:33:59 IST 2021
yash@localhost:~$

```

3. Implement a shell script to print your name and your enrollment-using command line interface.

SOLUTION

```

CentOS 8 64-bit - VMware Workstation
File Edit View VM Jobs Help
Activities Applications Terminal Jul 1 09:38

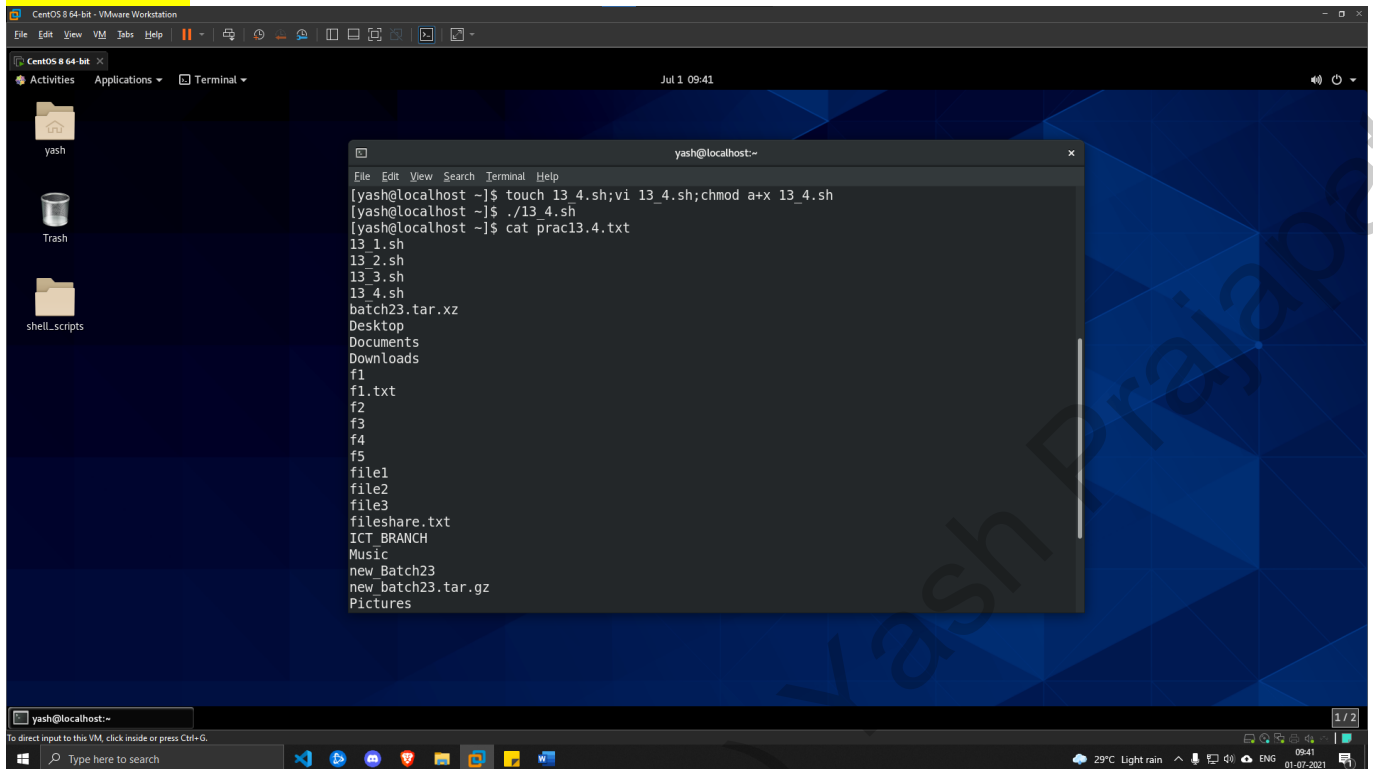
yash
Trash
shell_scripts

yash@localhost:~$ vi 13_1.sh
yash@localhost:~$ chmod a+x 13_1.sh
yash@localhost:~$ ./13_1.sh
yash@localhost:~$ ls -r ICT_BRANCH/
CS CBA BDA AI
yash@localhost:~$ touch 13_2.sh;vi 13_2.sh;chmod a+x 13_2.sh
yash@localhost:~$ ./13_2.sh
Current user is:
yash      tty2          2021-07-01 08:29 (tty2)
Current date and time is:
Thu Jul  1 09:33:59 IST 2021
yash@localhost:~$ touch 13_3.sh;vi 13_3.sh;chmod a+x 13_3.sh
yash@localhost:~$ ./13_3.sh
Enter your name:
Yash
Enter your enrollment number:
20162121023
Name: Yash
Enrollment No.: 20162121023
yash@localhost:~$

```

4. Implement a shell script to list all files of home directory and store output into prac13.4.txt.

SOLUTION



```

CentOS 8 64-bit - VMware Workstation
File Edit View VM Jobs Help
Activities Applications Terminal
yash
Trash
shell_scripts

yash@localhost:~
[yash@localhost ~]$ touch 13_4.sh;vi 13_4.sh;chmod a+x 13_4.sh
[yash@localhost ~]$ ./13_4.sh
[yash@localhost ~]$ cat prac13.4.txt
13 1.sh
13 2.sh
13 3.sh
13 4.sh
batch23.tar.xz
Desktop
Documents
Downloads
f1
f1.txt
f2
f3
f4
f5
file1
file2
file3
fileshare.txt
ICT_BRANCH
Music
new_Batch23
new_batch23.tar.gz
Pictures
    
```