Institute of Computer Technology
B. Tech Computer Science and Engineering
Subject: BOSS (2CSE204)
PRACTICAL-1

Objective: To learn about accessing the Command Line in Linux

Commands:

date – To show the current date and time of the local system.

file – To check the type of file.

cat – To show the content of file in the terminal in Linux.

less – To show the content of file in the terminal in Linux with scrolling facilities by navigation keys.

head – To show the first 10 lines of any file in terminal in Linux.

passwd – To change the current password of the current user in Linux.
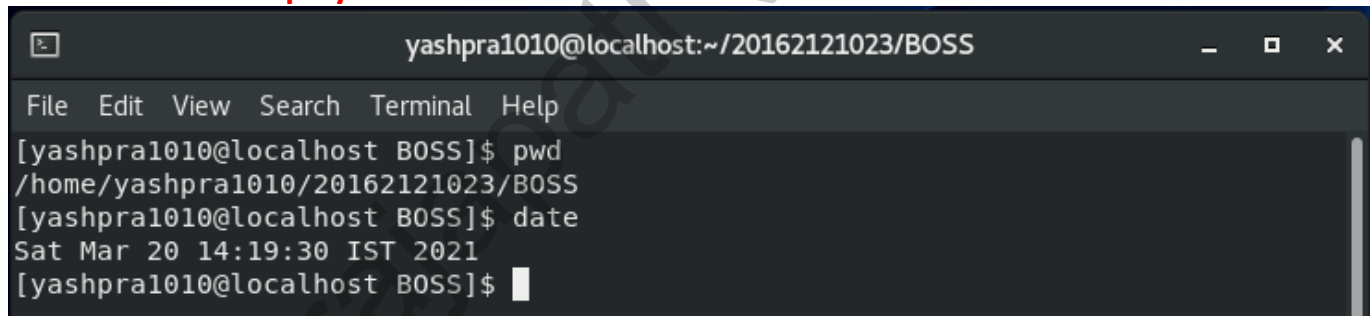
tail – To show the last 10 lines of any file in terminal in Linux.

wc – To display the size of file in terminal in Linux.
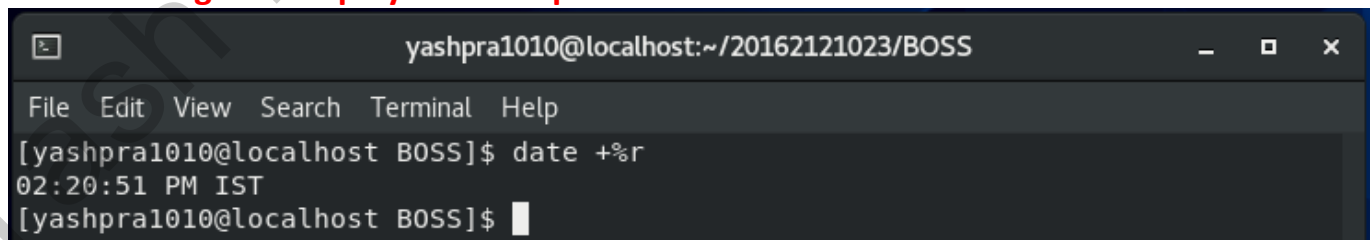
Exercise: -

Jihan wants to perform following operations in terminal window using CLI. Kindly implement a appropriate commands for the given scenarios.

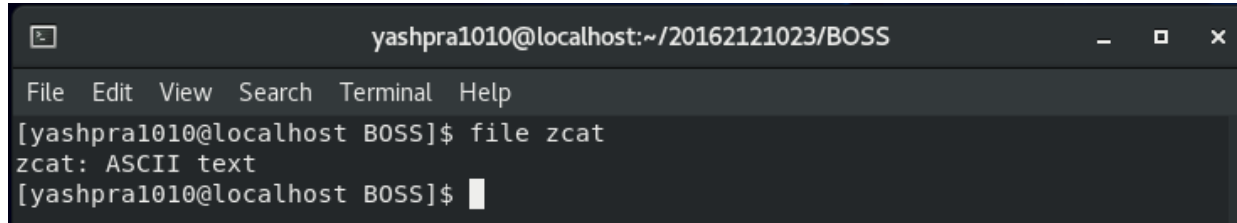1. **He wants to display the current time and date on terminal window.**

2. **Display the current time in 12-hour clock time (for example, 11:42:11 AM). Hint: The format string that displays that output is %r.**
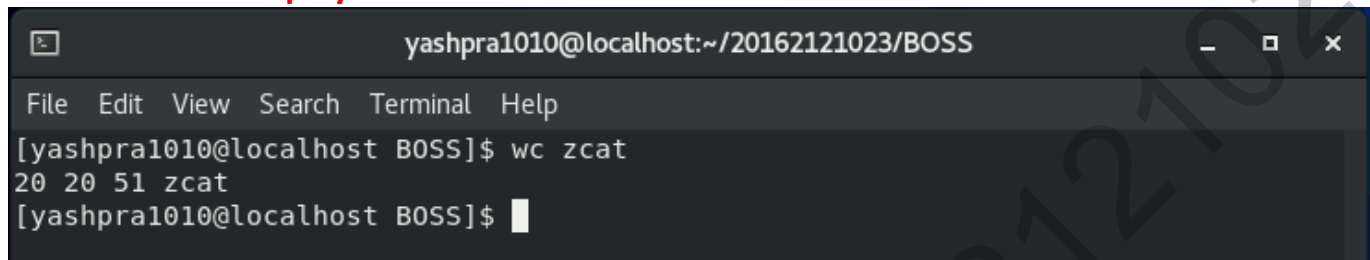
3. zcat is available file in system. Jihan wants to check that What kind of file is /home/student/zcat? Is it readable by humans? How will he check?
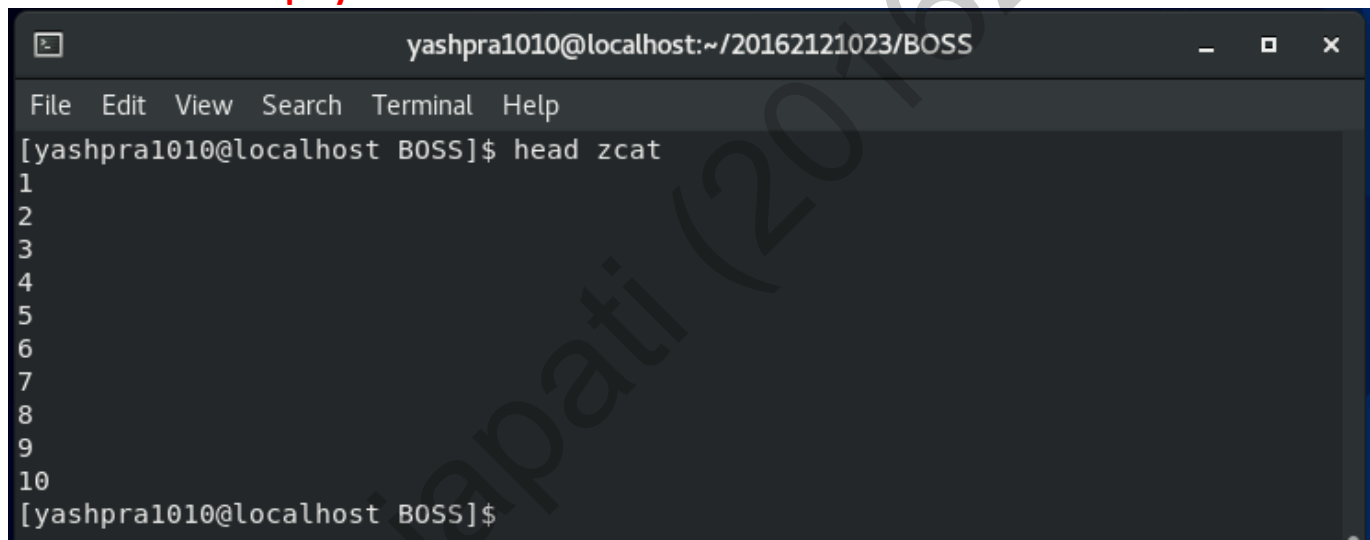
```
[yashpra1010@localhost BOSS]$ file zcat
zcat: ASCII text
[yashpra1010@localhost BOSS]$
```
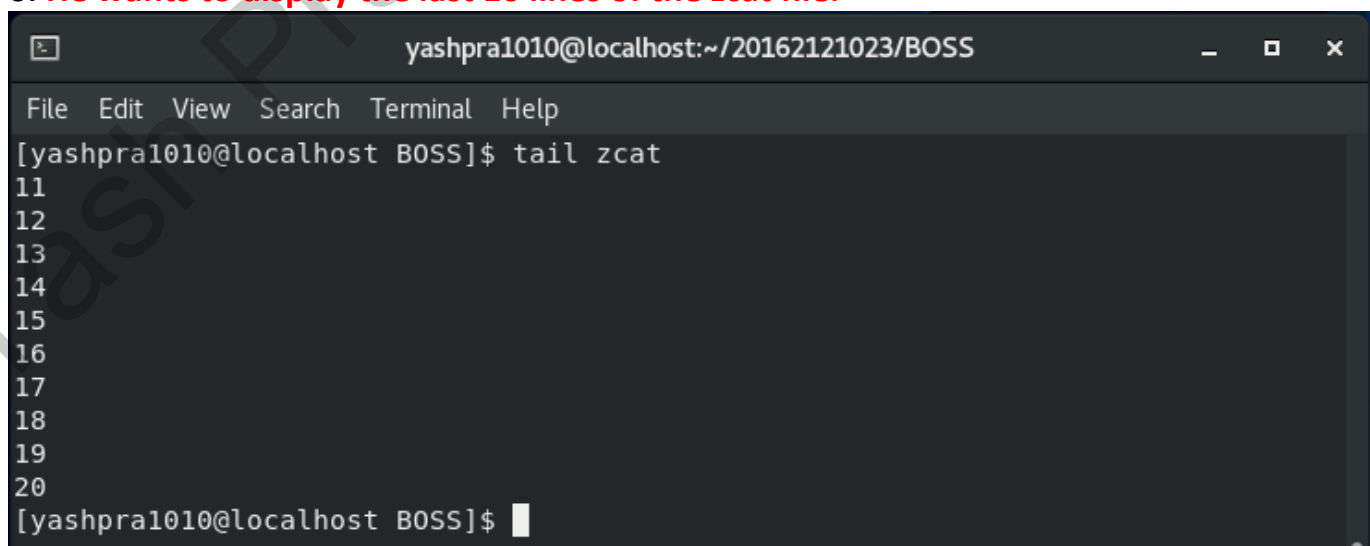
4. He wants to display the size of zcat on terminal.

```
[yashpra1010@localhost BOSS]$ wc zcat
20 20 51 zcat
[yashpra1010@localhost BOSS]$
```
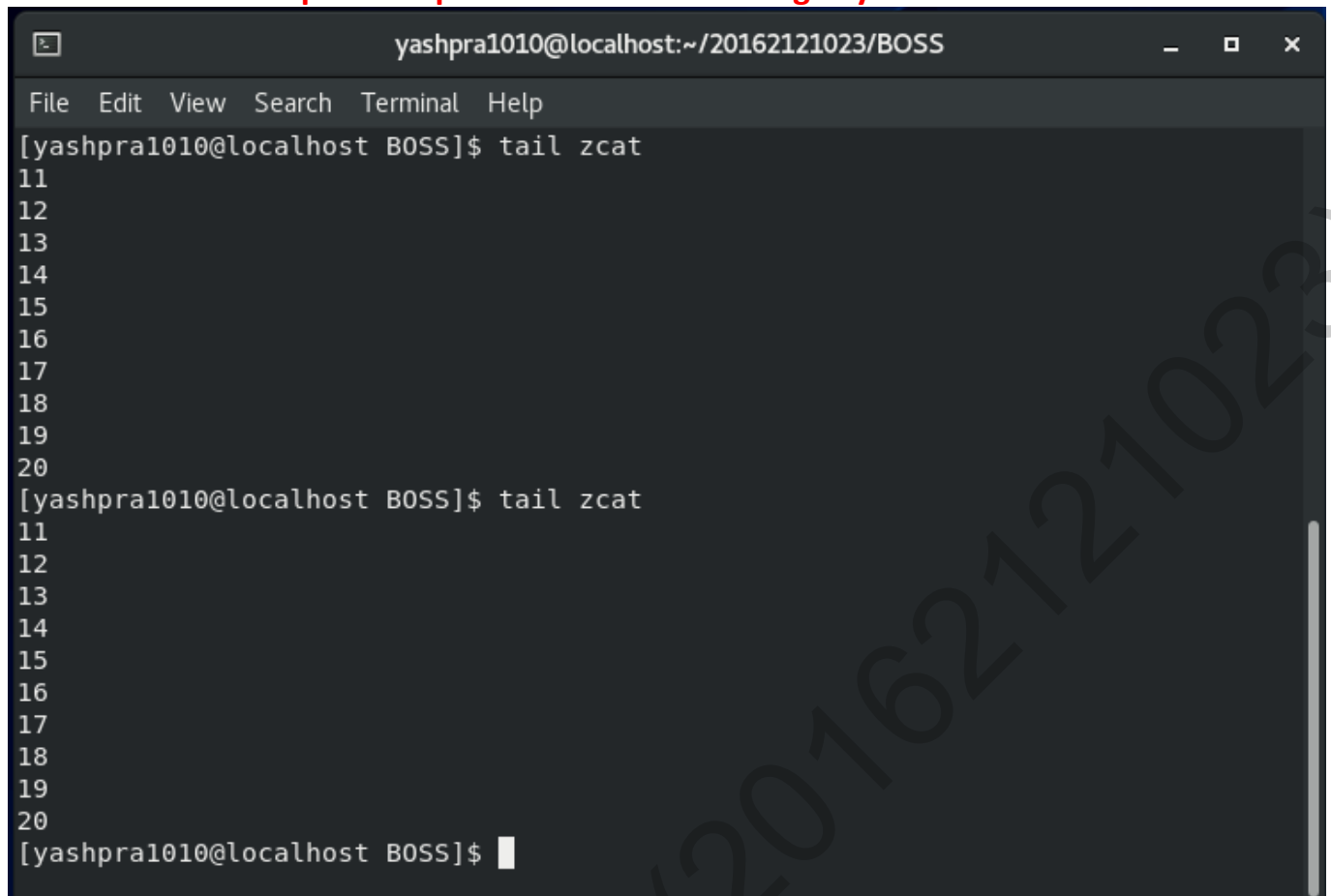
5. He wants to display the first 10 lines of zcat.

```
[yashpra1010@localhost BOSS]$ head zcat
1
2
3
4
5
6
7
8
9
10
[yashpra1010@localhost BOSS]$
```

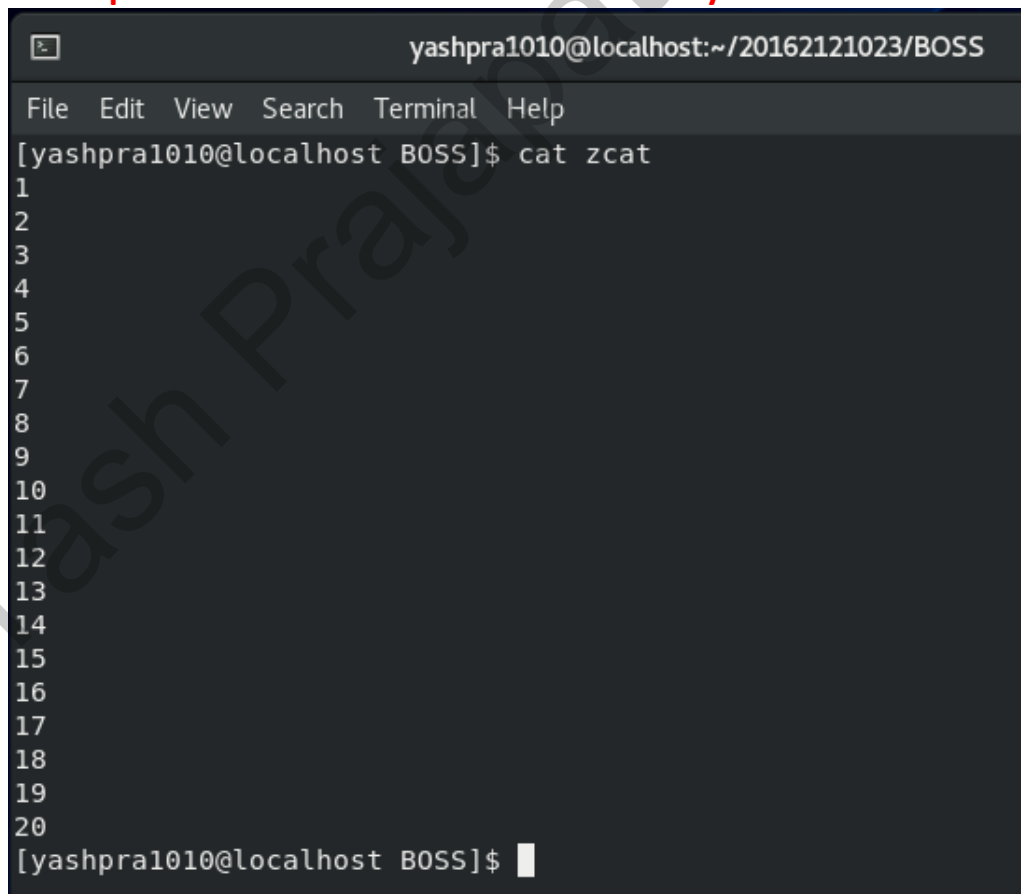**6. He wants to display the last 10 lines of the zcat file.**

```
[yashpra1010@localhost BOSS]$ tail zcat
11
12
13
14
15
16
17
18
19
20
[yashpra1010@localhost BOSS]$
```

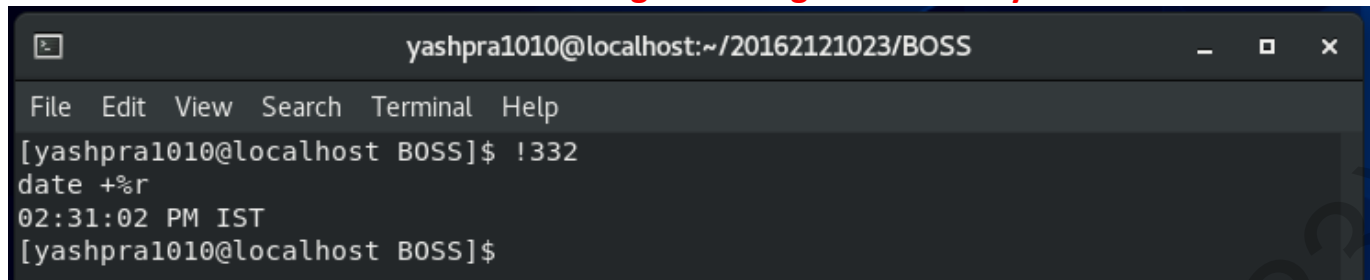**7.** **Jihan wants to repeat the previous command using keystrokes.**

```
yashpra1010@localhost:~/20162121023/BOSS              _  □  ✕

File  Edit  View  Search  Terminal  Help
[yashpra1010@localhost BOSS]$ tail zcat
11
12
13
14
15
16
17
18
19
20
[yashpra1010@localhost BOSS]$ tail zcat
11
12
13
14
15
16
17
18
19
20
[yashpra1010@localhost BOSS]$ █
```

8. **Now, He needs to display the last 20 lines in the file. Use command-line editing to accomplish this with a minimal number of keystrokes.**

```
yashpra1010@localhost:~/20162121023/BOSS

File  Edit  View  Search  Terminal  Help
[yashpra1010@localhost BOSS]$ cat zcat
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
[yashpra1010@localhost BOSS]$ █
```

9. He wants to run date +%r command again through shell history.