

## LAB - 02

- 1P → Write a Shell Script to find area of circle
- 2P → Write a Shell Script to counts no. of lines & no. of words in file.
- 3P → Write a Shell Script that displays the list of all files of the directory.
- Q → Identify the following to be initiated in Shell for the following problems and write these commands.
- Q1 → Copy the entire directory by name bms located in /usr/temp. to current directory
  - Q2 → Rename all the files interactively starting from Chap 01, Chap 02, Chap 03.
  - Q3 → Remove the files in the directory /home/kumar/prgm from home directory
  - Q4 → Display common things b/w two files.
  - Q5 → Display an octal dump for content of file f

(2P). #!/bin/bash

echo "area of circle"

echo "Enter the radius"

read r

area = \$(echo "3.14 \* \$r \* \$r" | bc)

echo "area of circle is:"

echo \$area

Output:- area of circle

Enter the radius

2

area of circle is:

12.56



```
(2P) #!/bin/bash
echo "Enter the file name"
read file1
word = $(wc -w $file1)
line = $(wc -l $file1)
echo "words:"
echo $word
echo "lines:"
echo $line
```

Output:- Enter the file name  
 filecounta  
 words: 10 filecounta.  
 lines: 3 filecounta.

```
(3P) #!/bin/bash
echo "Enter directory name"
read dir
cd ../$dir
ls
```

dir1	dir2	dir3
F1	F12	F11
F2	F22	F22
F3	F23	F32
F4	F42	F44
F5	F52	F55

Output:- Enter directory name  
 dir2  
 F12 F22 F23 F42 F52.

Q1. Cp ~/dir1/dir11/bms ~/lbm20cs066

Q3. rm -r kumar/pegm.

Q4. Comm file1.sh fd.sh

Q5. Od file1.sh.

```

82 #!/bin/bash
echo "Enter file1"
read file1
echo "Enter file2"
read file2
echo "Enter file3"
read file3
mv $file1 Chap01
mv $file2 Chap02
mv $file3 Chap03

```

Output:- Enter file1  
circle.sh  
Enter file2  
dir1.sh  
Enter file3  
lcount.sh.

>ls

Chap01 Chap02 Chap03 yasaswini

bye  
15/11/22

84 Output:- hello, how are you.

hello, yasaswini

I am yasaswini from bmsce.

comm: file1 is not in sorted order.

bye

Comm:- Input is not in sorted order.

85 Output:- 0000000 021412 027441 064542  
027556 060542 0644163 062412.