LAB-2

→ Write a shell script to find area of circle

→ Write a shell script which counts no. of words and no. of lines
  Three directories with five files each.

→ Write a shell script that displays the list of files in a directory

→ Identify the following command to be initiated in shell for the following problems and write the commands.

1. copy the entire by name BMS located in /usr/ temp to the current directory

2. rename all the files interactively starting from chap 01, chap 02 and chap 03

3. Remove the files in the directory /home/kumar/ prgm from home

4. Display common thing b/w two files.

5. Display an octal dump for the file file1.

→
```
#!/bin/bash
echo "Enter the radius of circle"
read r
area=$(echo "3.14*r*r" |bc)
echo "The area is"
echo $area
```

O/P : Enter radius of circle
      5
    ✓ The area is
      78.50

file1.sh

Hello Welcome to BMSCE

```
#!/bin/bash
echo "Enter file name"
read f
wordcou=$(wc -w $f)
echo "Word count is $wordcou"
linecou=$(wc -l $f)
echo "Line count is $linecou"
```

O/P
Enter the file name
file1.sh
Word count is 4 file1.sh
Line count is 1 file1.sh

```
#!/bin/bash

echo "Enter directory"
read dir
cd ../$dir
ls
```

O/P
Enter directory
dir1
d1 d2 d3 d4 d5

Enter directory
dir3
d11 d12 d13 d14 d15

dir1
d1 d2 d3 d4 d5

dir2
d6 d7 d8 d9 d10

dir3
d11 d12 d13 d14 d15

→

2.
```
#!/bin/bash
echo "Enter filename1"
read f1
mv $f1 chap0
echo "Enter filename2"
mv $f2 chap1
echo "Enter filename3"
mv $f2 chap2
```

Enter filename1
area1.sh
Enter filename2
filecount.sh
Enter filename3
list.sh

Before renaming ls
area.sh area1.sh filecount.sh list.sh
copy.sh file1.sh re.sh
After renaming ls
area.sh chap0 chap1 chap2 copy.sh file.sh
                                    re.sh

1. `cp /dir1/temp/bms /1BM20CS067`

3. `rm -r & kumar/prgm`

4.
```
comm area.sh chap0
#!/bin/bash
echo "Enter radius of circle"
read r
```

comm: file 2 is not in sorted order
```
ar=$(echo "3.14*r*r" | bc)
echo "The area is"
echo $ar
read rad
```

comm: file 1 is not in sorted order

area = $(echo "3.14 * rad * rad" | bc)

echo "The area is $.area"

5. od file1.sh

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15/4/22