

Week 2: Shell script Programs

1. Write a shell script to find an area of a circle.

name area.sh.

2) #!/bin/bash

echo "Enter radius of circle"

read r

echo "Area is equal to:"

echo "3.14 x \$r x \$r" / bc.

OUTPUT:

Enter radius of circle

2

Area is equal to:

12.56.

2. Write a shell script which counts the number of lines and number of words present in a given file.

name count.sh.

2) #!/bin/bash

echo "Enter file name:"

read fn

lines = `wc -l < \$fn`

words = `wc -w < \$fn`

echo "Number of lines : \$lines"

echo "Number of words : \$words"

OUTPUT:

Number of lines : 1

Number of words : 5.

3. Have 3 directories in which there are 5 files each.
Write a shell script that displays all files in given directory.

→ nano dfiles.sh.

#!/bin/bash

echo "Enter name of directory"

read dir

echo "Display files in \$dir: 'ls /home/bunee /\$dir'."

(or)

#!/bin/bash.

echo "Enter name of directory 1"

read dir1

echo "Enter name of directory 2".

read dir2.

echo "Enter name of directory 3".

read dir3.

cd \$dir1

echo "List of files in \$dir1"

ls

cd ../dir2

echo "List of files in \$dir2".

ls

cd ../\$dir3

echo "List of files in \$dir3".

ls.

4.) Identify the following command to be initiated in shell for the following problems and write three commands.

(i) copy the entire directory by name bmr located in /usr/tmp to the current directory.

!/bin /bash

cp -r /usr/tmp /bmr one.

(ii) rename all the files interactively starting from chap 01, chap 02, and chap 03.

!bin /bash

mv chap 01 one

mv chap 02 two

mv chap 03 three

(iii) Remove the files in the directory /home/numar/pgm from the home directory.

!/bin /bash.

rm /home /numar /pgm / *

Display the common things between two files.

(iv) # !/bin /bash.

comm -12 com1.txt com2.txt.

OUTPUT: imach.

(v) # !/bin /bash

od -b f.txt.

00000000 061 012 062 012 063 012
064 012 065 012 0000012.

15/11/22