1.Write a script to create 10 directories, say a1,a2,…a10

Report error if a directory/file exists with the same name.

for i in {0..10}

do

touch file ${i};

done

2.Write a menu based script to perform following string operations.

a) To find length of string

echo “enter the name”

read str

len=$ {#str}

echo $len

c) Copying string

name=”manju”

cname=$name

echo $cname

d) Concatenation of strings

str1=”manju”

str2=”yeole”

str3=”$str1^$str2”

echo $str3

e) Compare two strings.

Str1=”manju”

Str2=”yeole”

if [ $str1 == $str2 ]

then

echo “strings are equal”

else

echo “strings are not equal”

fi

f) Reversing a string

echo “enter string”

read str

echo $str | rev

3.Write a shell script to rename all files in the current directory with numeric continuous value

for (( for i=1; i<=10; i++ ))

do

mv “a$i” “b$i”

done

4.Write a script that print environment variable(Print $HOME,$PATH,$SHELL,$HISTORY,$LOGNAME,$TERM)

echo “HOME = “$HOME

echo “PATH = “$PATH

echo “SHELL = “$SHELL

echo “HISTORY = “$HISTORY

echo “LOGNAME = “$LOGNAME

echo “TERM = “$TERM

5.Write a shell script to print all files permission in current directory(Not name or other details)(Use cut command)

ls –la | cut –b 1-12

drwx ------ 1

drwxr-xr-x

-rw-r--r—

-rw-rw-r--

drwxrwxr-x 1

6.Write a shell script to print all files permission and name of file

ls -l file.txt

7.Write a shell script to print all files name and size greater than 5K

Find –type f –name “\*.sh” –size +5k

1.Write a script to check given year is leap or not

Echo “Enter the year”

read year

if [ $(( year % 4 )) –eq 0 ]

then

echo “Leap year”

else

echo “Not leap year”

fi

2.Write a script to print day of the week using

a) elif

echo “enter the number”

read num

if [ $num == 1 ]; then

echo “Sunday”

elif [$sum == 2 ]; then

echo “Monday”

elif [$sum == 3 ]; then

echo “Tuesday”

elif [$sum == 4 ]; then

echo “Wednesday”

elif [$sum == 5 ]; then

echo “Thursday”

elif [$sum == 6 ]; then

echo “Fridday”

elif [$sum == 7 ]; then

echo “Saturday”

else

echo “Not found”

fi

b) case

echo “enter a number”

read num

case $num in

1)echo “Sunday”;;

2)echo “Monday”;;

3)echo “Tuesday”;;

4)echo “Wednesday”;;

5)echo “Thursday”;;

6)echo “Friday”;;

7)echo “Saturday”;;

\*)echo “enter value between 1 to 7”;;

esac

3.

a)Write a script to find biggest of three numbers.

echo “Enter number1”

read num1

echo “Enter number2”

read num2

echo “Enter number3”

read num3

if [ $num1 –gt num2 ] && [ $num1 –gt $num3 ]

then

echo $num1

elif [ $num2 –gt num1 ] && [ $num2 –gt $num3 ]

then

echo $num2

else

echo $num3

fi

b)To find avg of 3 numbers read numbers from keyboard

echo “Enter number1”

read x

echo “Enter number2”

read y

echo “Enter number3”

read z

no=3

res=`expr $x + $y + $z`

avg=`expr $res/$no`

echo ${avg}

4.Write a program to check whether given number is even or odd.

echo "Enter a number"

read number

if [ $((number%2)) -eq 0 ]

then

echo "number is even"

else

echo "number is odd"

fi

7.Write a script to generate Fibonacci series.

echo "enter number of terms"

read n

a=0

b=1

echo "fibonacci series is"

for (( i=0; i<n; i++ ))

do

echo -n "$a"

fn=$((a+b))

a=$b

b=$fn

done

8.Write a shell script to reverse the single string.

echo “Enter the string”

read str

echo $str | rev

10.Write a shell script to print the reverse of an input number.

echo “Enter a number”

read num

echo $num | rev