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=1;$i<=10;i++))

do

mkdir a$i;

done

* ./assig2.sh
* Chmod 777 assig2.sh

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

a) To find length of a string

c) Copying string

d) Concatenation of strings

e) Compare two strings

f) Reversing a string

ANS -

echo "enter string"

while(true)

do

echo '1.Find length'

echo '2.copying string'

echo '3.concate of string'

echo '4.compare to string'

echo '5.reverse string'

read str1

read option

case $option in

1)echo ${#str1};;

2) str2=$str1

echo $str2;;

3)str3="Rambhad"

echo $str1$str3;;

4)str3="Rambhad"

if [ $str1 == $str3 ];

then

echo "equal"

else

echo "unequal"

fi

;;

5)echo $str1 | rev;;

\*)exit;;

esac

done

3.Write a shell script to rename all files in the current directory with numeric continuous value(Warning: Do this in a personal folder. Don't use Home directory)

-mkdir q3

-cd q3

-touch a1.txt a2.txt a3.txt a4.txt a5.txt

for((i=1;$i<=5;i++))

do

mv a$i.txt b$i.txt;

done

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

echo $HOME

echo $PATH

echo $SHELL

echo $HISTORY

echo $LOGNAME

echo $TERM

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

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

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

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

Ans –

echo "Enter the year"

read year

if [ $((year % 4)) -eq 0 ]

then

echo $year "is leap year";

else

echo $year "is not a leap year";

fi

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

a) elif b) case

ans 1 –b)case

echo "Enter a number"

read n

case $n 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

Ans 2 -a)elif

echo "enter a number"

read n

if [ $n == 1 ];

then

echo "Sunday";

elif [ $n == 2 ];

then

echo "Monday";

elif [ $n == 3 ];

then

echo "Tuesday";

elif [ $n == 4 ];

then

echo "Wednesday";

elif [ $n == 5 ];

then

echo "Thursday";

elif [ $n == 6 ];

then

echo "Friday";

elif [ $n == 7 ];

then

echo "Saturday";

else

echo "Enter number between 1 to 7";

fi

3. a) Write a script to find biggest of three no.s

b) To find avg of 3 no.s, read no.s from keyboard

ans a)

echo "Enter three no"

read n1

read n2

read n3

if [ $n1 -gt $n2 ] && [ $n1 -gt $n3 ]

then

echo $n1 "is biggest number";

elif [ $n2 -gt $n1 ] && [ $n2 -gt $n3 ]

then

echo $n2 "is biggest number";

else

echo $n3 "is biggest number";

fi

ans b)

echo "Enter 3 number"

read n1

read n2

read n3

sum=$((n1 + n2 + n3))

avg=$(echo $sum / 3 | bc -l)

echo $avg

4. Write a program to check wahether given no.is even or odd

Ans –

echo "enter a number"

read n

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

then

echo $n "is a even number"

else

echo $n "is a odd number"

fi

5. Write a program to print calendar of current month in next year,previous years.

For eg:-sep 2014,sep 2012 if current month is sep 2013

6. Write a program to find sum and product of two no.s using

a) let

b)expr

c)bc

Ans b)expr

echo "Enter two no"

read n1

read n2

ans=`expr $n1 \\* $n2`

echo "Product of two number is "$ans

ans2=`expr $n1 \+ $n2`

echo "Sum of two number is "$ans2

c) bc

echo "Enter two no"

read n1

read n2

ans=$(echo "$n1 \* $n2" |bc)

echo "Product of two number is "$ans

ans2=$(echo "$n1 + $n2" |bc)

echo "Sum of two number is "$ans2

7. Write a script to generate Fibonacci series.

echo "Enter a number"

read n

a=0

b=1

echo "The 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 strings.

Ans -

echo "Enter a string"

read string

len=${#string}

for ((i = $len - 1; i >= 0; i--))

do

reverse=$(echo "${string:$i:1}")

echo $reverse

done

9.Write a shell script to reverse the list of strings and reverse each string further in the list.

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