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

-> mkdir a1 a2 a3 a4 a5 a6 a7 a8 a9 a10

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

a) To find length of a string

-> echo -n hello | wc -m

c) Copying string

-> grep -o ‘string’ \* > file1.txt

d) Concatenation of strings

-> obj1="Hello,"

obj2=" World"

obj3="$obj1$obj2"

echo "$obj3"

e) Compare two strings

->

obj1="hello"

obj2="world"

if [ "$obj1" = "$obj2" ]; then

echo "Strings are equal."

else

echo "Strings are not equal."

fi

f) Reversing a string

-> $ echo welcome | rev

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

-> ls -v | cat -n |

While

read n f;

do mv -n "$f" "$n.ext";

done

4. Write a script that print environment variable

(Print $HOME,$PATH,$SHELL,$HISTORY,$LOGNAME,$TERM)

-> echo $HOME, echo $HISTORY, echo $LOGNAME, echo $PATH, echo $TERM, echo $SHELL

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

-> ls -la | cut -f 1 -d ' '

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

-> ls -al

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

->find -type f -name "\*.sh" -size +5k -ls

**---------------------------------------------------------------------------------------------------------**

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

echo "enter year"

read year

var=`expr $year % 4`

if test $var -eq 0

then

echo "leap year"

else

echo "not a leap"

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 [ $num == 2 ];

then

echo "monday"

elif [ $num == 3 ];

then

echo "tuesday"

elif [ $num == 4 ];

then

echo "wednesday"

elif [ $num == 5 ];

then

echo "thursday"

elif [ $num == 6 ];

then

echo "Friday"

elif [ $num == 7 ];

then

echo "Saturday"

else

echo "Not Found"

fi

b) case

echo "Enter a number between 1 and 10. "

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 "INVALID NUMBER!" ;;

esac

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

echo "Enter the three numbers"

read num1

read num2

read num3

if [[ $num1 -gt $num2 && $num1 -gt $num3 ]];

then

echo ${num1}" max number"

elif [ $num2 -gt $num3 ]; then

echo ${num2}" is max number"

else

echo ${num3}" max Number"

fi

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

echo "Enter the three numbers"

read num1

read num2

read num3

no=3

res=`expr $num1 + $num2 + $num3`

avg= `expr $res / $no `

echo ${avg}

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

read num

res=`expr $num % 2`;

if [ $res = 0 ];

then echo "Even"

else echo "Odd"

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

q

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

a) let

b)expr

c)bc

7. Write a script to generate Fibonacci series.

echo enter the last element of series

read n

echo

a=0

b=1

echo $a

echo $b

i=1

while test $i -lt $n

do

c='expr $a + $b'

if test $c -gt $n

then

exit

fi

echo $c

a=$b

b=$c

done

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

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.

echo "enter any integer"

read num

b=0

while test $num -gt 0

do

a='expr $num % 10'

b='expr \( $b + $a \) \\* 10'

num='expr $num / 10'

done

b='expr $b / 10'

echo reverse=$b