**1.** mkdir a1,a2,a3,a4,a5,a6,a7,a8,a9,a10

**2.**

i="y"

a=0

t=0

while [ $i = "y" ]

do

clear

echo "4.Compare 2 strings :"

echo "3.Concatanet string"

echo "1.Find length of string"

echo "2.Copying string"

echo "5.Reverse of string"

echo "6.Exit"

echo "Enter your choice"

read ch

case $ch in

4)echo "Enter first String"

read s1

echo "Enter second string "

read s2

if [ "$s1 = $s2" ]

then

echo "Two strings are equal "

else

echo "Two strings are not equal"

fi;;

3)echo "Enter one string "

read s1

echo "Enter second string "

read s2

echo $s1 $s2;;

1)echo "Enter any String"

read s1

t=`echo $s1|wc -c`

t=`expr $t - 1`

echo "Length of "$s1" is "$t;;

2)echo "Enter first String"

read s1

echo "Enter second string "

read s2

s2=$s1

echo $s2

5)echo "Enter any string :"

read s1

t=`echo $s1|wc -c`

t=`expr $t - 1`

echo "length "$t

while [ $t -ne 0 ]

do

temp=`echo $s1|cut -c $t`

echo $temp

temp2=`echo $temp2 $temp`

t=`expr $t - 1`

done

echo $temp2;;

6)exit;;

\*)echo "Invalid choice";;

esac

echo "Do u want to continue ?"

read i

if [ $i != "y" ]

then

exit

fi

done

**3.**

for f in \*.txt; do

mv -- "$f" "${f%.txt}.php"

done

**4.** echo $HOME, echo $HISTORY, echo $LOGNAME, echo $PATH, echo $TERM, echo $SHELL

**5.** ls -al | cut -c44-

**6.** ls –al

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

**1.**

echo "enter a year"

read YEAR

if (( ($YEAR % 4) == 0 ))

then

echo "Given Year Is Leap Year"

else

echo "Given Year Is Not Leap Year"

fi

**2.**

**A]**

echo "enter number between 1 to 7"

read num

if [[ $num -eq 1 ]]

then

echo "Sunday"

elif [[ $num -eq 2 ]]

then

echo "Monday"

elif [[ $num -eq 3 ]]

then

echo "Tuesday"

Elif [[ $num -eq 4 ]]

then

echo "Wednesday"

Elif [[ $num -eq 5]]

then

echo "Thursday"

lif [[ $num -eq 6 ]]

then

echo "Friday"

lif [[ $num -eq 7 ]]

then

echo "saturday"

fi

**B]**

echo "enter number between 1 to 7"

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" ;;

esac

**3.**

**A]**

echo "enter 1st number"

read num1

echo "enter 2nd number"

read num2

echo "enter 3rd number"

read num3

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

then

echo " $num1 is greatest number"

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

then

echo " $num2 is greatest number"

else

echo " $num3 is greatest number"

fi

**B]**

echo "enter 1st number"

read num1

echo "enter 2nd number"

read num2

echo "enter 3rd number"

read num3

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

avg=`expr $sum / 3`

echo "Sum = $sum"

echo "Average = $avg"

**4.**

read number

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

then

echo "Number is even."

else

echo "Number is odd."

fi

**5.**

cal -d 2013-09

cal -d 2014-09

cal -d 2015-09

output:

 bash main.sh

September 2015

Su Mo Tu We Th Fr Sa

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30

September 2014

Su Mo Tu We Th Fr Sa

1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19 20

21 22 23 24 25 26 27

28 29 30

September 2015

Su Mo Tu We Th Fr Sa

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30

**6.**

**A]**

let

a=10

b=20

sum=$(( $a + $b ))

echo $sum

**B]**

expr

echo "Enter two numbers"

read num1 num2

sum = 'expr $num1 + $num2'

echo "The sum is = $sum"

**C]**

echo 'scale=4;10+20' | bc

**7.**

N=10

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.**

echo "shradha "|rev

**9.** a=shradha

len=${#a}

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

do

a=$a${a: -i\*2:1};

done;

a=${a:len-1}

echo $a

**10.**

echo "Enter the number"

read num

echo "Reverse Number"

echo $num | rev

1)

echo "Enter your password"

read password

len="${#password}"

if test $len -ge 8 ; then

echo "$password" | grep -q [0-9]

if test $? -eq 0 ; then

echo "$password" | grep -q [A-Z]

if test $? -eq 0 ; then

echo "$password" | grep -q [a-z]

if test $? -eq 0 ; then

echo "Strong Password"

else

echo "Weak Password -> Should include a lower case letter."

fi

else

echo "Weak Password -> Should include a capital case letter."

fi

else

echo "Weak Password -> Should use numbers in your password."

fi

else

echo "Weak Password -> Password length should have at least 8 characters."

fi

O/P :

Enter your password

Shradha0404

Strong Password

Enter your password

Shradha

Weak Password -> Password length should have at least 8 characters.