**Question:1**

#!/bin/bash

#1\_arithmetic.sh

echo "enter two numbers:"

read num1

read num2

#echo $num1 $num2

echo "1.add"

echo "2.sub"

echo "3.mul"

echo "4.div"

echo "5.remainder"

echo "enter your choice:"

read choice

case $choice in

1)echo `expr $num1 + $num2`;;

2)echo `expr $num1 - $num2`;;

3)echo `expr $num1 \\* $num2`;;

4)echo `expr $num1 / $num2`;;

5)echo `expr $num1 % $num2`;;

\*)echo "invalid input"

esac

Question:2

#!/bin/bash

#2\_printnum.sh

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

do

echo $num

done

**Question:3**

#!/bin/bash

filecnt=0

dircnt=0

for var in `ls`

do

if [ -f $var ]

then

filecnt=`expr $filecnt + 1`

fi

if [ -d $var ]

then

dircnt=`expr $dircnt + 1`

fi

done

echo "file count is $filecnt"

echo "dir count is $dircnt"

**Question:4**

#!/bin/bash

#4\_fibnacc.sh

num1=0

num2=1

res=1

echo "numbers are:"

if [ "$#" -ne 0 ]

then

for((num=1;num<="$1";num++))

do

echo -n " $num2"

num1=$num2

num2=$res

res=`expr $num1 + $num2`

done

else

for((num=1;num<=5;num++))

do

echo -n " $num2"

num1=$num2

num2=$res

res=`expr $num1 + $num2`

done

fi

echo

**Question:5**

#!/bin/bash

#5\_sighand.sh

trap sigint INT

trap sigusr1 USR1

trap sigusr2 USR2

trap sigterm TERM

trap sigabrt ABRT

cnt=0

int=0

sigint()

{

echo "Recieved SIGINT"

int=`expr $int + 1`

echo $int

if [ $int -eq 2 ]

then

echo "SIGINT 2nd time recieved"

exit

fi

}

sigterm()

{

echo "Recieved SIGTERM"

exit

}

sigabrt()

{

echo "Recieved SIGABRT"

}

sigusr1()

{

#echo ""

echo "Recieved SIGUSR1"

}

sigusr2()

{

echo "Recieved SIGUSR2"

}

while :

do

ps -f

sleep 3

echo $cnt

cnt=`expr $cnt + 1`

clear

done