Ex2

echo "Enter Two numbers : "

read a

read b

echo "Enter Choice :"

echo "1. Addition"

echo "2. Subtraction"

echo "3. Multiplication"

echo "4. Division"

read ch

case $ch in

1)res=`echo $a + $b | bc`

;;

2)res=`echo $a - $b | bc`

;;

3)res=`echo $a \\* $b | bc`

;;

4)res=`echo "scale=2; $a / $b" | bc`

;;

esac

echo "Result : $res"

Ex3

echo -n "Enter file name : "

read file

# find out if file has write permission or not

[ -w $file ] && W="Write = yes" || W="Write = No"

# find out if file has excute permission or not

[ -x $file ] && X="Execute = yes" || X="Execute = No"

# find out if file has read permission or not

[ -r $file ] && R="Read = yes" || R="Read = No"

echo "$file permissions"

echo "$W"

echo "$R"

echo "$X

Ex4

echo "Enter Two numbers : "

read a

read b

read ch

case $ch in

1)if [$a==$b]

then

echo "string match" ;

fi;;

2)c=$a$b;

echo $c;;

3)c=`echo $a | wc -c`

echo $c ;;

esac

Ex5

read ch

case $ch in

1)echo $PATH;;

2)echo $HOME;;

3)echo $USER;;

4)echo $PWD;;

5)echo $TEMP;;

6)echo $HOSTNAME;;

esac

Ex6

read ch

case $ch in

1)ps;;

2)ps -a;;

3)ps -c;;

4)ps -s;;

5)ps -f;;

6)ps -p;;

esac

Ex8

echo”----Employee details---”

Cat employee.txt

Echo “------Details----”

Awk “{print}” employee.txt

echo ‘{print $1,$2,$3,$4,$5,$6}’

Echo “------Only Staffs------”

Awk $s=”staff “{print $,$2} employee

Ex12

echo Enter array limit

read limit

echo Enter elements

n=1

while [ $n -le $limit ]

do

read num

eval arr$n=$num

n=`expr $n + 1`

done

echo Enter key element

read key

low=1

high=$n

found=0

while [ $found -eq 0 -a $high -gt $low ]

do

mid=`expr \( $low + $high \) / 2`

eval t=\$arr$mid

if [ $key -eq $t ]

then

found=1

elif [ $key -lt $t ]

then

high=`expr $mid - 1`

else

low=`expr $mid + 1`

fi

done

if [ $found -eq 0 ]

then

echo Unsuccessfull search

else

echo Successfull search

fi