**EXP 2a**

echo "ENTER THE NUMBER1"

read a

echo "ENTER THE NUMBER2"

read b

if [ $a == 0 ];

then

echo "result is 0 "

fi

if [ $b == 0 ];

then

echo "result is 1"

fi

if [ $a -ge 1 -a $b -ge 1 ];then

echo " power of $a and $b is $(($a \*\* $b))"

fi

**Exp2b**

echo "Enter the file name: "

read file

if [ -f $file]

then

echo $file "---> It is a ORDINARY FILE."

elif [ -d $file ]

then

echo $file "---> It is a DIRCTORY."

else

echo $file "---> It is something else."

Fi

**Exp3a**

echo "enter file name: "

read file

for file in $\*

do

if [ -f $file ]

then

echo $file | tr '[a-z]' '[A-Z]'

else

echo $file " - no such file or dir"

fi

done

**exp 3b Basic Salary**

echo "enter Basic salary"

read basic

if [ $basic -lt 1500 ]

then

hra=`expr 10 \\* $basic / 100`

da=`expr 90 \\* $basic / 100`

else

hra=500

da=`expr 98 \\* $basic / 100`

fi

gs=`expr $basic + $hra + $da`

echo "Gross salary : Rs. $gs"

**exp4a read write and execute permission**

for file in \*

do

if [ -f $file ]; then

if [ -r $file -a -w $file -a -x $file ]; then

ls -l $file

fi

fi

done

**exp4b occurrence contain line**

echo "Enter the word to be searched:"

read word

echo "Enter the filename to be used:"

read filename

echo "The number of times the word ['$word'] occurred in the file:"

grep -o $word $filename | wc -l

echo "The number of lines that contain ['$word'] is:"

grep -c $word $filename