SHELL SCRIPT

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EXP:2A

PROGRAM:

```
echo "enter two numbers"
read a
read b
c=`expr $((a + b))`
echo add "$c"
d=`expr $((a-b))`
echo sub "$d"
e=`expr $((a * b))`
echo mul "$e"
f=`expr $((a/b))`
echo div "$f"
g=`expr $((a%b))`
echo mod "$g"
~
~
```

OUTPUT:

```
[cse66@localhost ~]$ vi basiccalc.sh
[cse66@localhost ~]$ sh basiccalc.sh
enter 2 numbers
10
2
12 :sum
8 : sub
20 :mul
5 :div
0 :mod
```

EXP: 2B

PROGRAM:

```
echo "enter number"
read y
a=`expr $((y%4))`
b=`expr $((y%100))`
c=`expr $((y%400))`
if [ $a -eq 0 -a $b -ne  0 -o $c -eq 0 ]
then
echo "leap year"
else
echo "not a leap year"
fi
~
```

OUTPUT:

```
[cse66@localhost ~]$ sh LeapYear.sh
enter a year
2000
2000 is a leap year
```