SHELL SCRIPT

AADITYA P

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EXP-2

BASIC CALCULATOR

```
#BASIC CALCULATOR
echo "Enter two no"
read a
read b

echo "add $(expr $a + $b)"
echo "sub $(expr $a - $b)"
echo "mul $(expr $a \* $b)"
echo "div $(expr $a / $b)"
echo "mod $(expr $a % $b)"
```

```
liveuser@localhost-live:~
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                                                                                                          # ≡ ×
liveuser@localhost-live:~$ cat > arith.sh
#!/bin/bash
echo "Enter two numbers:"
read a
read b
echo "add $((a + b))"
echo "sub $((a - b))"
echo "mul $((a * b))"
if [ $b -ne 0 ]; then
echo "div $((a / b))"
echo "mod $((a % b))"
else
    echo "mod Not possible (division by zero)"
liveuser@localhost-live:~$ chmod +x arith.sh
liveuser@localhost-live:~$ sh arith.sh
Enter two numbers:
sub -5
mul 50
```

LEAP YEAR

```
#LEAP YEAR OR NOT
echo "Enter a year"
read year

if [ $((year % 4)) -eq 0 ]; then
   echo "$year is a Leap Year"
else
   echo "$year is Not a Leap Year"
fi
```

```
Apr 20 11:43 PM
                                              liveuser@localhost-live:~
 \oplus
liveuser@localhost-live:~$ cat > leap.sh
#!/bin/bash
echo "Enter a year:"
read year
if [ $((year % 4)) -eq 0 ]; then
if [ $((year % 100)) -eq 0 ]; then
        if [ $((year % 400)) -eq 0 ]; then echo "Leap year"
         else
             echo "Not a leap year"
    else
         echo "Leap year"
    echo "Not a leap year"
liveuser@localhost-live:~$ chmod +x leap.sh
liveuser@localhost-live:~$ ./leap.sh
Enter a year:
2012
Leap year
liveuser@localhost-live:~$
```