

1) Leap year.

```

echo "Enter the year: "
read year
x = 'expr $year % 4'
y = 'expr $year % 400'
z = 'expr $year % 100'
if [ $x -eq 0 ] && [ $z -ne 0 ]
then
    echo "Leap year"
elif [ $y -eq 0 ]
then
    echo "Leap year"
else
    echo "Not a leap year"
fi

```

Output: Enter the year: 2020  
Leap year

2) Greatest of three numbers

```

read a b c
if [ $a -gt $b ] && [ $a -gt $c ]
then
    echo "$a is greater"
elif [ $b -gt $c ] && [ $b -gt $a ]
then
    echo "$b is greater"
else
    echo "$c is greater"
fi

```

Output: 5 3 4  
5 is greater.

```
3) read num
a = $num % 2
if [ $a -eq 0 ]
then
    echo "Number is even"
else then
    echo "Number is odd"
fi
```

Output : 2  
Number is even

```
4) read num
if [ $num -eq 0 ]
then
    echo "Number is zero"
elif [ $num -gt 0 ]
then
    echo "Number is positive"
else
    echo "Number is negative"
fi
```

Output : -2  
Number is negative

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✓  
17/11/22