FUNCTIONS

Arithmetic Operators

```
def add(a,b):
    print(a+b)
def sub(a,b):
    print(a-b)
def mul(a,b):
    print(a*b)
def div(a,b):
    print(a/b)
def floor(a,b):
    print(a//b)
def mod(a,b):
    print(a%b)
a=int(input())
b=int(input())
add(a,b)
sub(a,b)
mul(a,b)
div(a,b)
floor(a,b)
mod(a,b)
```

Square of a number

```
def sqr(n):
    print(n*n)
n=int(input())
sqr(n)
```

cube of a number

```
def cube(n):
        return (n**3)
n=int(input())
print(cube(n))
```

Binary equivalent of a number

```
def bin(n):
    if n==0:
        return 0
    else:
        return bin(n//2)*10+n%2

n=int(input())
print(bin(n))
```

Fibonacci Series

```
def fib(x):
    a=0
    b=1
    i=1
    while(i<=n):
        print(a,end=" ")
        c=a+b
        a=b
        b=c
        i+=1

n=int(input())
fib(n)
```

Odd or Even

```
def eoro(n):
    if n==0:
        return 'Even!'
    if n==1:
        return 'Odd!'
    return eoro(n-2)
n=int(input())
print(eoro(n))
```

Factorial

```
def fact(n):
    fact=1
    i=1
    while(i<=n):
        fact=fact*i
        i+=1
    print(fact)

x=int(input())
fact(x)
```

LCM of two numbers

```
def lcm(x,y):
    if(x>y):
        g=x
    else:
        g=y
    while 1:
        if(g%x==0 and g%y==0):
```

```
            lcm=g
            break
        g+=1
    print(lcm)
a=int(input())
b=int(input())
lcm(a,b)
```

Decimal to Binary

```
def bin(n):
    if n==0:
        return 0
    else:
        return bin(n//2)*10+n%2
n=int(input())
print(bin(n))
```