In [1]:
```
def fibonacci(n):# Finding fibonacci series of given no.
    a = 0
    b = 1
    if n < 0:
        print("Incorrect input")
    elif n == 0:
        return a
    elif n == 1:
        return b
    else:
        for i in range(2, n):
            c = a + b
            a = b
            b = c
        return b
```

In [4]:
```
print(fibonacci(8))
```

```
13
```

In [5]:
```
def hcf(a, b): #Calculating gcd of given numbers
    if(b == 0):
        return a
    else:
        return hcf(b, a % b)
```

In [6]:
```
a = 60
b = 48
print("The gcd of 60 and 48 is : ", end="")
print(hcf(60, 48))
```

```
The gcd of 60 and 48 is : 12
```

In [8]:
```
def gcd(a,b): # Recursive function to return gcd of a and b
    if a == 0:
        return b
    return gcd(b % a, a)

def lcm(a,b): # Function to return LCM of two numbers
    return (a / gcd(a,b))* b
```

In [9]:
```
a = 15
b = 20
print('LCM of', a, 'and', b, 'is', lcm(a, b))
```

```
LCM of 15 and 20 is 60.0
```