

In [1]:

```
#to create lambda function that multiplies argument x with y  
num=lambda x,y:x*y  
print(num(2,6))
```

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In [2]:

```
#to create Fibonacci series to n using Lambda  
from functools import reduce  
fibnum=lambda m:reduce(lambda x, _:x+[x[-1]+x[-2]],range(m-2),[0,1])  
print(fibnum(9))
```

[0, 1, 1, 2, 3, 5, 8, 13, 21]

In [3]:

```
#to multiply each number of given list with a given number  
num=[1,4,6,53]  
mul=list(map(lambda x:x*3,num))  
print("Now the multiplied numbers are:",mul)
```

Now the multiplied numbers are: [3, 12, 18, 159]

In [4]:

```
#to find number divisible by 9 from list of number  
num=[1,2,3,4,5,6,9,7,59,10,11,27,13,63,15]  
div=list(filter(lambda x:x%9==0,num))  
print("the number divisible by 9:",div)
```

the number divisible by 9: [9, 27, 63]

In [5]:

```
#to count even number in given list of integers  
num=[1,2,3,4,5,6,9,7,59,10,11,27,13,63,15]  
even=list(filter(lambda x:x%2==0,num))  
print("the even numbers in a given list:",even)
```

the even numbers in a given list: [2, 4, 6, 10]

In []: