

```
In [1]: even=lambda n:n%2==0  
print(even(10))
```

True

```
In [12]: print((lambda n:n%2==0)(10))
```

True

```
In [8]: print(list(filter(lambda n:n%2==0,[10,20,22,23])))
```

[10, 20, 22]

```
In [10]: print((lambda n,m:n+m)(10,20))
```

30

```
In [14]: def multiply(n):  
         return n*100  
print(list(map(multiply,[11,22,33])))
```

[1100, 2200, 3300]

```
In [19]: print(list(map(lambda n:n*100,[11,22,33])))
```

[1100, 2200, 3300]

```
In [21]: print(list(filter(lambda n:n*100==1100,[11,22,33])))
```

[11]

```
In [22]: print(list(map(lambda n:n%2==0,[112,22,33,44])))
```

[True, True, False, True]

```
In [23]: print(list(filter(lambda n:n%2==0,[112,22,33,44])))
```

[112, 22, 44]

```
In [25]: print(tuple(map(lambda n:n-11,[11,22,33])))
```

(0, 11, 22)

```
In [26]: print(tuple(filter(lambda n:n-11,[11,22,33])))
```

(22, 33)

```
In [36]: print((lambda n:n[::-1]==n)('101'))
```

True

```
In [39]: from functools import reduce
print(reduce(lambda a,b:a if a>b else b,[100,22,33,44]))
```

100

```
In [41]: from functools import reduce
l=[[112,33,44],[67,55,44],[45]]
print(reduce(lambda a,b:a+b,l))
```

[112, 33, 44, 67, 55, 44, 45]

```
In [ ]:
```