**# find square of list using map function**

**# map() with lambda()**

**li = [5, 7, 22, 97, 54, 62, 77, 23, 73, 61]**

**square\_list = list(map(lambda x: x\*\*2 , li))**

**print(square\_list)**

**Output :-**

**[25, 49, 484, 9409, 2916, 3844, 5929, 529, 5329, 3721]**

**Use of lambda() with filter()**

Python mei filter ek eesa function hai jo logic ke aadhar par kisi list mei se data ko filter karke extract karne ke liye istemal kiya jata hai | is function mei aap ek function or ek list ko argument ke rup mei pass karte hai |

**# find even number is this list using lambda function**

**data = [1,2,3,4,5,5,6,6,7,9,10]**

**var = list(filter(lambda x : x%2==0 , data))**

**print(var)**

Upper diye gye program me filter function ka istemal karte ham even number find kar rhe hai|

**Output :-**

**[2, 4, 6, 6, 10]**

#### ****Use of lambda() with Reduce()****

python mei reduce function ek eesa function hai jo kisi list mei se data ko reduce karta hai | is function mei aap ek function or ek list ko argument ke rup mei pass karte hai |

# reduce() with lambda()

# to get sum of a list

from functools import reduce

li = [5, 8, 10, 20, 50, 100]

sum = reduce((lambda x, y: x + y), li)

print (sum)