

Special fun in python

python has 3 special fun 1.filter() :Used to filter out the elements from list. 2.map() : 3.reduce() :

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In [54]: #program for print pos an neg value with filter()
def posval(n):
    if n>0:
        return True
def negval(n):
    if n<0:
        return False
#main
print('enter list of elements ')
lst=[54,36,35,99,97,65,-4,-4,-53,-34,-53,-989]
print('=*50)
print('Original values of list')
print('=*50)
print(lst)
print('=*50)
print('=*50)
print('filtered values of poslst list')
print('=*50)
poslist=filter(posval,lst)
for val in poslist:
    print(val)

print('=*50)
print('filtered values of neglst list')
print('=*50)
neglist=filter(negval,lst)
for val in neglist:
    print(val)
```

```
enter list of elements
=====
Original values of list
=====
[54, 36, 35, 99, 97, 65, -4, -4, -53, -34, -53, -989]
=====
filtered values of poslst list
=====
54
36
35
99
97
65
=====
filtered values of neglst list
=====
```

```
In [27]: #program for pos and neg values
def pos(n):
    if n>0:
        return True
def neg(n):
    if n<0:
        return False
#main
lst=[12,23,45,3,-45,-45,-4,-6,-5,-87]
#lst=int(input('enter a values'))
print('=*50)
print('origainal val of list')
print('=*50)
poslist=filter(pos,lst)
print(poslist)
#print(lst)
```

```
=====
origainal val of list
=====
<filter object at 0x0000029A57A7CAF0>
```

In []:

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