Full stack web development using python

Map, reduce and filter



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Agenda

- map
- 2 reduce 3 filter
- 3

Higher - order functions

Higher-order function takes function as a parameter and return a function.

- (i) map ()
- (2) reduce ()
- 3 filter()

map()

map (function, iterables)

```
def square(a):
return a *a 149 16
```

filter()

filter (function, iterables)

The filter function is used to generate an output list of values that return true when the tunction is called def f(x): it x>=3; return oc

y=filter (f, (1,2,3,4)) l1= list(y)

reduce()

reduce (function, iterables)

The reduce function applies a provided function to iterables and return a single value

trom functools import reduce x=reduce (lambda a,b: a+b, [1,2,3,4]) print(x)

1 2 3 4