Functional Programming

D	Dambda	Junction
	Map	
3	me dence	

9) Filter

\$ 15 (5

F) Arbitrary 7-sitional and keyword
Args (* angs and ** kwangs)

Obot is fauctional beadeaminds

3) Programming Ponadigm what to do instead of How to do

De clarative beode armind my s

1) Concise and readable

a) Efficient

inspired Joo > 9

Dambda Junction

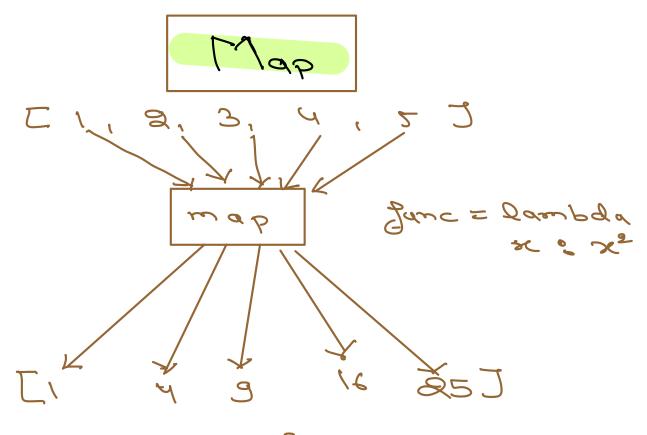
del square (x):

out = xxx2

betver out

Square= lambda x: xxx2

De also traour as Arosymous Junctions
De It can take o or more anguments



Denerator - iterable Dencinput) = lencoutput) Bilter

2) Filters elements from

D'Takes Junction which seturns
True or False

Den (input) \gen (output)

Li, 2, 3, 4, 5 5

Pilter lambda

x:x:2==0

Size 5 N

Zip

2 Zips two or more itenables

2 Output Den Depends on shortest iten

2ist1 = (1, 2, 3)

2ist2 = ('a', b', c', a')

Zip (list1, lista)

((1, a'), (2, b'), (3, c'))

reduce

D) Takes Junction with two orgs D) readuces iterable to a single Value

こ1、2、3、4、53

Teduce lambda

x, y: x+y

 $\frac{1}{x}$

Apitaona Hadransent

* Positional > *angs > tuple

* Keyword > ** Kwangs > Dict