## Iterators & Generators yenerator functions allow us to write a function that can send hack a value of then later sesume to pick up where It left off. 9f allows us to a generate a sequence of values over 19me. The masn diff. is use of yield statement. If amptled they become an object that They will automatically suspend & susume They automatically suspend & elesume their execution of state around the Ja point in value generation. - Marn- advantage:-Instead of computing entire series of values up front, the generator computes one value & suspende its activity waiting for next enstruction - They ex earlied state suspension det geneulies (n): for num sn vange (n): yfeld num \*\* 3 Jest (genaules (\$1)) 6/p: [0, 1, 8, 27, 64, 125]

€9	def genfflenn(n);
717	in the properties of the second of the secon
dina	a=1 is the manner of significant
1535 45	b=1
	for in an orange (n):
: 516	ykeld a
miller	a, b= b, a+b
	taring of useld or reason.
	Vest (genfilbon (5)) }
6-11-0	extend on the second of the second
% P	1,1,2 35
	Sugarata Photolica:
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	MM () en the sequence
	in they are invested in engine to some
12.18.	The second of state overed the
gn:	g=genfflion()
	The All of the second
Jn:	ment prent (next (g))
%p:	sature in force the government
0	and matter to the opening of a state of the
gn:	J. J
0/p:	1 distributed efects augmented to
0	· · · · · · · · · · · · · · · · · · ·
9/p:	print (next (g))
-/ ٧-	2 cm reduce and baseline
	11.0 12
	Storing object supports Steratfon leut Sin't a Sterator.
•	CII ( ) - : Q(
	1ter ) 97 allows us to sterate
	Iter () over a nen-sterable object

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