heil o	Chapter 5: Dictionary & Sels
0.2	TRUITS IN THE SERVICE AND TO A SERVICE AND TO BE
1	Dictionary is a collection of key-value pairs
	is the contention of they were pure
	huntage . Reys Values
3	5 (b ) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-	Syntax: keys Values  a = 2 "key": "Value",  "harry": "Code",
	"harry": "Code", was
	"marks": "100", "list": [1,2,9] }
	"list": [1,2,9] }
SALI	putting office of the sale
	a ["list"] => Prints "Value"  a ["list"] => Prints [1, 2, 9]
31	a ["list"] => Prints [1,29]
down	Proberties of a Python Dictionaries
an 1 71	Properties of a Python Dictionaries  It is unordered
277	Italis mutable and in its to said when
37	It is indexed a sould amount principal
100	Cannot Contain duplicate keys
47	and to softendal!
entl.	Dictionary Methodes
The state of the s	Consider the following dictionary
16.73	Consider the following dictionary
	O = Sunah HUMaka Mala
	Q = \( \frac{1}{name} \tank \taken \t
	"from": "India", "marks": [92,98,96] }
	"marks": [92,98,96] }
	The District Ash Ashara
12	a. items(): returns a list of (Rey, value) tuples
	· · · · · · · · · · · · · · · · · · ·
27	a keys(): returns a list containing dictionary's keys
37	a. update (8" friend ": "Sam" &): updates the dictionary with
	a update (E" friend ": "Sam" ?): updates the dictionary with Supplied Rey- value pairs

li:	0. get ("name"): returns the value of the specified keys (and value is returned eq. "Harry" is returned here)
7.	keys (and Value is returned
20	Harry is returned here
*	
	More methods are available on does python org.
	Description of the state of the
31	Sets in Python Set is a collection of non repetitive elements
	Set is a collection of non repetitive elements
	2112 . 340
	S = Set () => No repetition allowed
	5. add (1) => or set = \(\frac{2}{2}\)
<u> </u>	g. add (2) => or set = 21,23
	If you are a programming beginner without much knowledge of mathematical operations on sets, you can simply look at sets in python as data types containing unique values.
- 5	knowledge of mathematical operations on sets, you can
	simply look at sets in python ias data types
	Confirming Unique Values.
	Child Full Milliam Town
	Properties of Sets
	Sets are unordered => Ekment's order doesn't matter
7.	Gets are unindexed > Cannot access elements by index
142	There is no way to change items in sets.  Sets commot contain duplicate values
—— <u>1</u>	
	Operations on Sets 1 199000
	Consider the following Set:
25/1	(sala) 1065 = \$1,8,12,33 and or (12mot)
1	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
201 17	len(s): Returns 4, the length of the set
1	
1.2,	5 remove (8): Updates the set 5 and removes 8 from 5
7 10	16 what - per designed
· · ·	

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3,	5. pop(): Removes an arbitrary element from the	set
4.	G. clear (): Empties the set 5	1
	The Man of martie was Alan Man Manon	
57	5. Union (28,113): Returns a new set with a items from both sets. => \(\frac{2}{2}\),8	ll
62	5. intersection ( 5 x 113): Returns a set which conto	uns Oxlu
10/8	the (tails) it is titems in both sets. > 128	}
	As example Rant of the Rate Ans	
	$\begin{pmatrix} R_2 & R_3 \\ R_1 + R_2 + R_3 \Rightarrow \\ R_1 + R_3 \Rightarrow \\ R_1 + R_3 \Rightarrow \\ R_2 + R_3 \Rightarrow \\ R_3 + R_3 \Rightarrow \\ R_4 + R_3 \Rightarrow \\ R_4 + R_3 \Rightarrow \\ R_5 + R_5 \Rightarrow \\ R_5 \Rightarrow \\ R_5 + R_5 \Rightarrow \\ R_5 \Rightarrow $	AUB
1	(0.01) R = A -	<u>B</u>
	16 for office of 57	8
The second second	Create an early dictorain Allow 4 fronds	
and the	use pour as their names. This way that	
	vomer and and	
III	to the program in Robbin 6,	1
400	It formanged of two friends and inter-	λ ν