holo	Chapter 5: Dictionary & Sels
09	AND THE STATE OF THE SECOND STATE OF THE SECON
¥1	Dictionary is a collection of key-value pairs
14,	
	Syntax: keys values Q = 2 "key": "Value", "harry": "Code",
	a = 3 "kon": "Value"
	"harry": "(ade" provide a stall
	"marks": "100",
	"list": [1,2,9] }
all.	with the Mas
14.2	O ["kou"] => Drinte "Value"
1	a ["list"] => Prints "Value" a ["list"] => Prints [1,2,9]
	181MS [1, 4, 1]
×3110	Properties of a Putton Dictionaries
11-1	Properties of a Python Dictionaries It is unordered
ed of	It is mitable and in it to so when
2,	It is indexed sould anough provided
1	Cannot Contain duplicate keys
47	whole corner with the selection of
entl.	Dictionary Methodes - hershaped and alexander
	Consider the following dictionary
W. S.	Constant the following such printing
	Q = & "name": "Harry",
-	"Gram": "Inlia"
	"from": "India", "marks": [92,98,96] }
	macks [12, 18, 18] S
1	a. items(): returns a list of (Rey, value) tuples
12	i i
1.	a keys(): returns a list containing dictionary's keys
_17	
1	a ubdate &" Giant": "Gaz"?
37	a. update & Friend ": "Sam"}): updates the dictionary with Supplied key-value pairs
	supplied key - valle pours
•	1

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
· · ·	

		/
3,	6. pop(): Removes an arbitrary element from the	e set
4	G. Clear (): Empties the set 5	1
-	5. Union (28,113): Returns a new set with a	U
6.11	solven success of the from both sets. => 21,8	, 2, 3, 11 &
6>	5. intersection (& 8,113): Returns a set which contains in both sets. => 28	uns Oxly Z
2	the column R1 to Ward Rath of thurst Ans	3 ⋈
	$\begin{array}{c} (R_2) \\ (R_1 + R_2 + R_3 \Rightarrow \\ (R_1 + R_3 \Rightarrow \\ (R_1 + R_3 \Rightarrow \\ (R_2 + R_3 \Rightarrow \\ (R_1 + R_3 \Rightarrow \\ (R_2 + R_3 \Rightarrow \\ (R_1 + R_3 \Rightarrow \\ $	ADB
Man !	$\begin{array}{c c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & & \\ &$	
	15 = 5 = 5	Š
-to	(rests on early distorate Allow 4 founds	7
He	enter their favourite language as value use pay as their names. Assume that	
Him	If rames of 2 frigates one same what	+
ton	TE languages of two friends are come.	λ
	will happen to the program in Problem !	7

	EDG1
1	Write a program to create a dictionary of Hindi
2	Write a program to create a dictionary of Himi words with values as their english translation. Provide user with an option to look it up! Write a program to input eight numbers from the
	Write a program to input eight numbers from the user and display all the unique numbers (one). Can we have a set with 18 (int) and "18" (str) as a values in it?
AUK (AAB 8-8-	What will be the length of following Set 5: 5 = Set () 5 add (20) 6 add (20.0) 5 add ("20") => length of 5 after these operation?
5	5= { } what is the type of 5?
6	Create an empty dictionary. Allow 4 friends to enter their favourite language as values and use keys as their names. Assume that the names are unique
7	If names of 2 friends are same; what will to the program in Problem 6?
8 =	If languages of two friends are same; what will happen to the program in Problem 6?
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9	Can you change the values inside a list which is contained in Set 5
"	in white the values inside a rest which
	18 Contained in Set 5
-	
1	5= {8,7,12,"Harry",[1,2]}
17 17	70, +, 12, "Marry, 1, 2]3
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C. A.	
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T. A.	
7-6-4	
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