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hill	Chapter 5: Dictionary & Sels
0.0	TROUBLE STATE OF THE STATE OF T
	Dictionary is a collection of key-value pairs
	Syntax: keys values
	Syntax: keys values Q = 2 "key": "Value", "harry": "(ode",
	"harry": "Code", million
	"marks"; "100"
	"marks": "100", "list": [1,2,9] }
Sally.	mit i was obtained to the soll and the soll
The second	a ["key"] => Prints "Value" a ["list"] => Prints [1,29]
1	a ["list"] => Prints [1,2,9]
1	
abatti .	Properties of a Python Dictionaries
AR) 71	It is unordered a san buthandan to salamind
17	Italis mutable and in star to some whom
112	It is indexed and anything and Cannot Contain duplicate keys
17	and to soften all
eth.	Dictionary Methodes
the har	Consider the following dictionary
	Q = 2 "name": "Harry"
BUIL	"from": "India", "marks": [92,98,96] }
	the proposition with the same
12	a items(): returns a list of (Rey, value) tuples
27	a keys(): returns a list containing dictionary's keys
37	a update (E"friend": "Sam"): updates the dictionary with Supplied key-value pairs

•	
4:	0. get ("name"): returns the value of the specified keys (and Value is returned cy "Harry" is returned here)
	keys (and Value 15 returned co
87	Harry" 15 returned here)
	The state of the s
	More methods are available on docs python org.
VI.	Sets in Python " who " who "
	Set is a collection of non rejetitive elements
	S = Set () => No repetition allowed! 5. add (1)
	5. add (1) G. add (2) => or Set = {1,2}
- A-1	g. 400 (L)
	To you are honoramina beginner with I mil
	Drawledge of make matical star for my ste
	Similar look of sets in buther like dale like
	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
	on array and devilous matrial tons
	Properties of Sets
1:	Sets are unordered => Ekment's order doesn't matter
2.	Sets are unindexed > Cannot access elements by index
3	- There is no way to change items in sets.
4	> Sets connot contain duplicate values
	"Alut" Proved
	Operations on Sets 1 " Anni
	Consider the following Set:
25/	(() () () = \ \{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
241	r len(s): Returns 4, the length of the set
1.2	, 5. remove (8): Updates the set 5 and removes 8 from 5
7.1	all that you had a

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3,	5. pop(): Removes an arbitrary element from the set and returns the element removed
4	G. Clear (): Empties the set 5
57	5. Union (5 8-113): Returns a nour set with all
62	items from both sets. => \{1,8,2,3,11\} S. intersection (\{8,11\}): Returns a Set which contains only
19/8	ikms in both sets. => 283
9.5	$\begin{array}{c c} R_1 & R_2 & R_3 & R_2 & A \cap B \\ \hline R_2 & R_1 + R_2 + R_3 & \Rightarrow A \cup B \end{array}$
	$(OC) R_1 + R_3 \Rightarrow A \triangle B$ $(OCC) R_1 \Rightarrow A - B$
(No.	$A \cap A \cap B \cap B = ("A \cap B) \cap B - A$
	(2 to stut at si tooling)
to and the	contex their language as value of the value of the value of their names that the value of the course of the
Thur	7 If ranks of 2 hishop are same. What
tot	x Is forminged of two friends are interested and the program in Problem of