chapter 5	: Dictionar	y & sets.	TE
			TOLOGIA OF
Dictionary	is a	Collection	of key-value
Paixs		WHECT WIT	of Reg-value
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SYNTUX.			STATE OF THE STATE
_ a	= ? "Key";	"Vylue",	Strain Land
	"Kaif"	"Code",	
	"Morks"	: "100",	in which is to
	"List":	[2,2,9]	3
		Grand Town	
a ['key"	) > Print	s"Vylue"	THE PROPERTY OF THE PERSON OF
a ["List"	] => Print	15 T1, 2,	97
Properti	es of 9	Python D	ictionoxies.
2) It is			
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37 It is			
4) Cannot (	Contuin	duplicate	LPUS
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Dictionary methods.
consider the following diction 481.

a = & "name": "Kaif" 3 "From": "India" "Marks": [95, 92, 89] }

2) a items (): Seturns a list of Ckey, Value) tuples.

2) a key () i returns a list Containing dictionarys keys.

3) a vpdate (2"Friend": "Furhan"3).

Updates the dictionary with supplied Key-value pairs.

4) a.get ("name"): returns the value of the specified keys (and value is returned by.

"Kgif" is returned here)

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more methods are available on docs. Python.a. 009

sets in Python.

set is a Collection of non vepetitive elements.

=) No veretition allowed! 5= 5et () 5. add (2)

2) or set = {1,23. 5. add (2)

If you are a Programming begneer without. much knowladge of mathematical operation on sets, you can simple look at sets in python as duta types containing unique values.

Properties of sets.

1/80/esties of sets. 2. sets are unordered=) Element's order cloesat matter.

2) sets are unindexed => (annot alless elements by index.

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$\Box$	AT	Side.	/ /
	/ \ I	1000	and the lateral members are a second of the lateral members and the

3. There is no way to change items in sets.

consider the following set:

5 = 51,8,2,33

2) Lencs): Returns 4, the length of the set

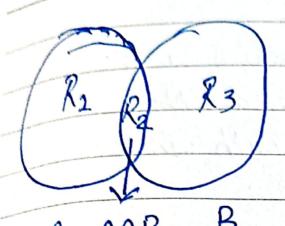
2) 5. remove (8): updates the sets and remove 8 from 5.

3.5. Pop (): Removes an abbitrary element from the set and returns the element removed.

4.5. (lego (): Empfies the sets

5-5- Union (28, 114): Returns a new set with all items from 60th sets => <1,8,2,3,11

OS intersection (28,113): Returns a set which confains only items in both sets =



 $R_{2} \Rightarrow A \cap B$   $R_{1} + R_{2} + R_{3} \Rightarrow A \cup B$   $R_{1} + R_{3} \Rightarrow A \triangle B$   $R_{1} \Rightarrow A = B$   $R_{2} \Rightarrow B = A$ .

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