

DICTIONAY FUNCTIONS STRICTLY AS PER CBSE

NAME	PURPOSE	USE
dict()	Creates a dictionary from a sequence of key-value pairs	<pre>pair1 = [('Mohan',95),('Ram',89), ('Suhel',92),('Sangeeta',85)] >>> pair1 [('Mohan', 95), ('Ram', 89), ('Suhel',92), ('Sangeeta', 85)] >>> dict1 = dict(pair1) >>> dict1 {'Mohan': 95, 'Ram': 89, 'Suhel': 92,'Sangeeta': 85}</pre>
keys()	Returns a list of keys in the dictionary	<pre>>>> dict1 = {'Mohan':95, 'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> dict1.keys() dict_keys(['Mohan', 'Ram', 'Suhel', 'Sangeeta'])</pre>
values()	Returns a list of values in the dictionary	<pre>>>> dict1 = {'Mohan':95, 'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> dict1.values() dict_values([95, 89, 92, 85])</pre>
items()	Returns a list of tuples(key – value) pair	<pre>>>> dict1 = {'Mohan':95, 'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> dict1.items() dict_items([('Mohan', 95), ('Ram', 89), ('Suhel', 92), ('Sangeeta', 85)])</pre>
fromkeys()	fromkeys() – is used to create dictionary from keys	<pre>keys = {'a', 'e', 'i', 'o', 'u' } value ="Vowel" vowels = dict.fromkeys(keys, value) print(vowels) OUTPUT-> {'i': 'Vowel', 'u': 'Vowel', 'e': 'Vowel', 'a': 'Vowel', 'o': 'Vowel'}</pre>
pop()	pop() method is used to remove a particular item in a dictionary.	<pre>dict1 = {'Mohan':95, 'Ram':89, 'Suhel':92, 'Sangeeta':85} print(dict1.pop('Suhel')) Output: 92</pre>
popitem()	popitem() – removes last item from dictionary	<pre>x = {'name': "Aman", 'age':37, 'country': "India"} x.popitem() print(x) OUTPUT-> {'age': 37, 'name': 'Aman'}</pre>
setdefault()	setdefault() method returns the value of the item with the specified key. If the key does not exist, insert the key, with the specified value.	<pre>x = {'name':"Aman", 'country':"India"} x.setdefault('age',39) print(x) {'name': 'Aman', 'country': 'India', 'age': 39}</pre>
len()	Returns the length or number of key: value pairs of the dictionary passed as the argument	<pre>>>> dict1 = {'Mohan':95,'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> len(dict1) 4</pre>

update()	appends the key-value pair of the dictionary passed as the argument to the key-value pair of the given dictionary	<pre>>>> dict1 = {'Mohan':95, 'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> dict2 = {'Sohan':79,'Geeta':89} >>> dict1.update(dict2) >>> dict1 {'Mohan': 95, 'Ram': 89, 'Suhel': 92, 'Sangeeta': 85, 'Sohan': 79, 'Geeta': 89} >>> dict2 {'Sohan': 79, 'Geeta': 89}</pre>
sorted()	to sort the dictionary by keys	<pre>d = {'b':100, 'a':1292, 'c' : 88} print(sorted(d)) OUTPUT ['a', 'b', 'c']</pre>
get()	Returns the value corresponding to the key passed as the argument If the key is not present in the dictionary it will return None	<pre>>>> dict1 = {'Mohan':95, 'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> dict1.get('Sangeeta') 85 >>> dict1.get('Sohan') >>></pre>
del	Deletes the item with the given Key. To delete the dictionary from the memory we write: del Dict_name	<pre>'Suhel':92, 'Sangeeta':85} >>> del dict1['Ram'] >>> dict1 {'Mohan':95,'Suhel':92, 'Sangeeta': 85} >>> del dict1 ['Mohan'] >>> dict1 {'Suhel': 92, 'Sangeeta': 85} >>> del dict1 >>> dict1 NameError: name 'dict1' is not defined</pre>
clear()	Deletes or clear all the items of the dictionary	<pre>>>> dict1 = {'Mohan':95,'Ram':89, 'Suhel':92, 'Sangeeta':85} >>> dict1.clear() >>> dict1 { }</pre>
copy()	copy() - returns a shallow copy of the dictionary.	<pre>x = dict(name = "Aman", age = 37, country = "India") y=x.copy() print(y)</pre>
max()	max() – returns key having maximum value	<pre>d = {'a':100, 'b':1292, 'c' : 88} print(max(d)) OUTPUT-> c</pre>
min()	min() – returns key having minimum value	<pre>d = {'a':100, 'b':1292, 'c' : 88} print(min(d)) OUTPUT-> a</pre>