

Hash-Table(Dictionary)

Hash table stores key-value pairs but the key is generated through a hashing function.

Ordered, changeable and do not allow duplicates.

Syntax:

```
thisdict = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}
```

// To copy

```
mydict = dict(thisdict)
```

// Nested

```
child1 = {  
    "name" : "Emil",  
    "year" : 2004  
}  
child2 = {  
    "name" : "Tobias",  
    "year" : 2007  
}  
child3 = {  
    "name" : "Linus",  
    "year" : 2011  
}  
myfamily = {  
    "child1" : child1,  
    "child2" : child2,  
    "child3" : child3  
}
```

// Method

Method	Description
<u>clear()</u>	Removes all the elements from the dictionary
<u>copy()</u>	Returns a copy of the dictionary
<u>fromkeys()</u>	Returns a dictionary with the specified keys and value
<u>get()</u>	Returns the value of the specified key
<u>items()</u>	Returns a list containing a tuple for each key value pair
<u>keys()</u>	Returns a list containing the dictionary's keys
<u>pop()</u>	Removes the element with the specified key
<u>popitem()</u>	Removes the last inserted key-value pair
<u>setdefault()</u>	Returns the value of the specified key. If the key does not exist: insert the key, with the specified value
<u>update()</u>	Updates the dictionary with the specified key-value pairs
<u>values()</u>	Returns a list of all the values in the dictionary

Practice Sets:

▼ 217 Contains Duplicate

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