

```
In [1]: #A.Adding an element/tuple/list/dictionary in a dictionary:-
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In [2]: #Example-01:
```

```
In [3]: dict1 = {'Apple':200,'Banana':300,'Mango':400}
```

```
In [4]: dict1
```

```
Out[4]: {'Apple': 200, 'Banana': 300, 'Mango': 400}
```

```
In [5]: dict1["Orange"] = 150  
dict1
```

```
Out[5]: {'Apple': 200, 'Banana': 300, 'Mango': 400, 'Orange': 150}
```

```
In [6]: dict1['Guava'] = 120  
dict1
```

```
Out[6]: {'Apple': 200, 'Banana': 300, 'Mango': 400, 'Orange': 150, 'Guava': 120}
```

```
In [7]: #Example-02:
```

```
In [8]: dict2 = {"English":300,"Science":350,"Maths.":400}  
dict2
```

```
Out[8]: {'English': 300, 'Science': 350, 'Maths.': 400}
```

```
In [9]: dict2["Pen"] = {"Cell":15,"Writo":20,"Pencil":5}  
dict2
```

```
Out[9]: {'English': 300,  
        'Science': 350,
```

```
'Maths.': 400,  
'Pen': {'Cell': 15, 'Writo': 20, 'Pencil': 5}}
```

```
In [10]: #Example-03:
```

```
In [11]: dict3 = {"Cow":1000,'Goat':800,'Dog':500,"Cat":350}  
dict3
```

```
Out[11]: {'Cow': 1000, 'Goat': 800, 'Dog': 500, 'Cat': 350}
```

```
In [12]: dict3["Birds"] = ("Parrot","Crow",'Owl')  
dict3
```

```
Out[12]: {'Cow': 1000,  
          'Goat': 800,  
          'Dog': 500,  
          'Cat': 350,  
          'Birds': ('Parrot', 'Crow', 'Owl')}
```

```
In [13]: dict3['Insects'] = ['Cricket','Spider',"Ant"]  
dict3
```

```
Out[13]: {'Cow': 1000,  
          'Goat': 800,  
          'Dog': 500,  
          'Cat': 350,  
          'Birds': ('Parrot', 'Crow', 'Owl'),  
          'Insects': ['Cricket', 'Spider', 'Ant']}
```

```
In [14]: #B.Changing an element in a dictionary:-
```

```
In [15]: #Example-01:
```

```
In [16]: d1 = {'Apple':200,'Banana':300,'Mango':400}  
d1
```

```
Out[16]: {'Apple': 200, 'Banana': 300, 'Mango': 400}
```

```
In [17]: d1['Apple'] = 390  
d1
```

```
Out[17]: {'Apple': 390, 'Banana': 300, 'Mango': 400}
```

```
In [18]: #Example-02:
```

```
In [19]: d2 = {"English":300,"Science":350,"Maths.":400}  
d2
```

```
Out[19]: {'English': 300, 'Science': 350, 'Maths.': 400}
```

```
In [20]: d2["Maths"] = (500,600,800)  
d2
```

```
Out[20]: {'English': 300, 'Science': 350, 'Maths.': 400, 'Maths': (500, 600, 800)}
```

```
In [21]: #Example-03:
```

```
In [22]: d3 = {"Cow":1000,'Goat':800,'Dog':500,"Cat":350}  
d3
```

```
Out[22]: {'Cow': 1000, 'Goat': 800, 'Dog': 500, 'Cat': 350}
```

```
In [23]: d3['Cat'] = [450,550,650]  
d3
```

```
Out[23]: {'Cow': 1000, 'Goat': 800, 'Dog': 500, 'Cat': [450, 550, 650]}
```

```
In [24]: d3["Cow"] = {'Calf':4000,'Ox':6000,"Bull":5600}  
d3
```

```
Out[24]: {'Cow': {'Calf': 4000, 'Ox': 6000, 'Bull': 5600},  
          'Goat': 800,  
          'Dog': 500,  
          'Cat': [450, 550, 650]}
```

```
In [25]: d3["Dog"] = (1200,1600,2000,2400)
         d3
```

```
Out[25]: {'Cow': {'Calf': 4000, 'Ox': 6000, 'Bull': 5600},
          'Goat': 800,
          'Dog': (1200, 1600, 2000, 2400),
          'Cat': [450, 550, 650]}
```