

```
In [1]: #Dictionary
dict = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}
print(dict)

{'brand': 'Ford', 'model': 'Mustang', 'year': 1964}
```

```
In [3]: #Dictionary Items
dict = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}
print(dict["brand"])

Ford
```

```
In [4]: #Duplicates Not Allowed
dict = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964,
    "year": 2020
}
print(dict)

{'brand': 'Ford', 'model': 'Mustang', 'year': 2020}
```

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In [5]: #Dictionary Length
print(len(dict))

3
```

```
In [6]: #type()
dict = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}
print(type(dict))

<class 'dict'>
```

```
In [15]: dict = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}
print(type(dict))

<class 'dict'>
```

```
In [17]: #Accessing Items
thisdict = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}
x = thisdict["model"]
```

Mustang

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In [18]: #Get the value of the "model" key:
x = thisdict.get("model")
print(x)
```

Mustang

```
In [19]: #Get Keys
car = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}

x = car.keys()

print(x) #before the change

car["color"] = "white"

print(x) #after the change

dict_keys(['brand', 'model', 'year'])
dict_keys(['brand', 'model', 'year', 'color'])
```

```
In [20]: #Get Values
car = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}

x = car.values()

print(x) #before the change

car["year"] = 2020

print(x) #after the change

dict_values(['Ford', 'Mustang', 1964])
dict_values(['Ford', 'Mustang', 2020])
```

```
In [21]: #Get Items
car = {
    "brand": "Ford",
    "model": "Mustang",
    "year": 1964
}

x = car.items()

print(x) #before the change

car["year"] = 2020

print(x) #after the change

dict_items([('brand', 'Ford'), ('model', 'Mustang'), ('year', 1964)])
dict_items([('brand', 'Ford'), ('model', 'Mustang'), ('year', 2020)])
```

In [ ]:

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