```python
mydict={}
mydict
```

> {}

```python
mydict=dict()
```

```python
mydict={1:'one',2:'two',3:'three'}
mydict
```

> {1: 'one', 2: 'two', 3: 'three'}

```python
mydict.keys()
```

> dict_keys([1, 2, 3])

```python
mydict.values()
```

> dict_values(['one', 'two', 'three'])

```python
mydict.items()
```

> dict_items([(1, 'one'), (2, 'two'), (3, 'three')])

```python
mydict = {1:'one' , 2:'two' , 'A':['asif' , 'john' , 'Maria']}
mydict
```

> {1: 'one', 2: 'two', 'A': ['asif', 'john', 'Maria']}

```python
mydict = {1:'one' , 2:'two' , 'A':['asif' , 'john' , 'Maria'], 'B':('Bat' , 'cat')}
mydict
```

> {1: 'one', 2: 'two', 'A': ['asif', 'john', 'Maria'], 'B': ('Bat', 'cat')}

```python
value=[10,20,30]
keys = {'a' , 'b' , 'c' , 'd'}
mydict3=dict.fromkeys(keys , value)
value.append(40)
mydict3
```

> {'d': [10, 20, 30, 40],
> 'a': [10, 20, 30, 40],
> 'b': [10, 20, 30, 40],
> 'c': [10, 20, 30, 40]}

```python
mydict[2]
```

> 'two'

```python
mydict.get(1) # Access item using get() method
```

```
'one'
```

```python
mydict1 = {'Name':'Asif' , 'ID': 74123 , 'DOB': 1991 , 'job' :'Analyst'}
mydict1
```

```
{'Name': 'Asif', 'ID': 74123, 'DOB': 1991, 'job': 'Analyst'}
```

```python
mydict1['Name'] # Access item using key
mydict1.get('job') # Access ite
```

```
'Analyst'
```

```python
mydict1 = {'Name':'Asif' , 'ID': 12345 , 'DOB': 1991 , 'Address' : 'Hilsinki'}
mydict1
```

```
{'Name': 'Asif', 'ID': 12345, 'DOB': 1991, 'Address': 'Hilsinki'}
```

```python
mydict1['DOB'] = 1992 # Changing Dictionary Items
mydict1['Address']='Delhi'
```

```python
dict1 = {'DOB':1995}
mydict1.update(dict1)
mydict1
```

```
{'Name': 'Asif', 'ID': 12345, 'DOB': 1995, 'Address': 'Delhi'}
```

```python
mydict1['Job'] = 'Analyst'
```

```python
mydict1
```

```
{'Name': 'Asif',
 'ID': 12345,
 'DOB': 1995,
 'Address': 'Delhi',
 'Job': 'Analyst'}
```

```python
mydict1.pop('Job')
```

```
'Analyst'
```

```python
mydict1.popitem()
```

```
('DOB', 1995)
```

```python
for i in mydict1:
    print(i ,':',mydict1[i])
```

```
Name : Asif
 ID : 12345
```

```python
for i in mydict1:
    print(mydict1[i])
```

```
Asif
 12345
```

Start coding or generate with AI.

```python
del[mydict1['ID']]
```

```
-------------------------------------------------------------------------
KeyError                                  Traceback (most recent call last)
<ipython-input-90-051628ab9ed5> in <cell line: 0>()
----> 1 del[mydict1['ID']]
      2 mydict1

KeyError: 'ID'
```

```
mydict1
```

```
{'Name': 'Asif'}
```

```
mydict1.clear() # Delete all items of the dictionary using clear method
mydict1
```

```
{}
```

```
del mydict1
mydict1
```

```
-------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-94-83667e17285c> in <cell line: 0>()
----> 1 del mydict1
      2 mydict1

NameError: name 'mydict1' is not defined
```

```
mydict = {'Name':'Asif' , 'ID': 12345 , 'DOB': 1991 , 'Address' : 'Hilsinki'}
mydict
mydict1 = mydict # Create a new reference "mydict1"
id(mydict) , id(mydict1)
```

```
(132885087147328, 132885087147328)
```

```
mydict2 = mydict.copy()
```

```
mydict['Address'] = 'Mumbai'
mydict
```

```
{'Name': 'Asif', 'ID': 12345, 'DOB': 1991, 'Address': 'Mumbai'}
```

```
mydict1  ,mydict2#NO CHANGE IN mydict2
```

```
({'Name': 'Asif', 'ID': 12345, 'DOB': 1991, 'Address': 'Mumbai'},
 {'Name': 'Asif', 'ID': 12345, 'DOB': 1991, 'Address': 'Hilsinki'})
```

```
'Name' in mydict1
```

```
True
```

```
'ID' in mydict1
```

```
True
```

```
mydict1 = {'Name':'Asif' , 'ID': 12345 , 'DOB': 1991 , 'Job': 'Analyst'}
mydict1
```

⮕ {'Name': 'Asif', 'ID': 12345, 'DOB': 1991, 'Job': 'Analyst'}

all(mydict1)

⮕ True

any(mydict1)

⮕ True

⮕ {'Name': 'Asif', 'ID': 12345, 'DOB': 1991, 'Job': 'Analyst'}

all(mydict1)

⮕ True

any(mydict1)

⮕ True