```
d={}
type(d)
```

```
dict
```

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

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

```
d.keys()
```

```
dict_keys([1, 2, 3])
```

```
d.values()
```

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

```
d.items()
```

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

```
d2 = {'one' : 1, 'two':2, 'three' : 3}
d2
```

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

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

```
'Asif'
```

```
mydict1.get('job') # Access item using get() method
```

```
'Analyst'
```

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

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

```
{'Name': 'Asif', 'ID': 12345, 'DOB': 1992, 'Address': 'Delhi'}
```

```
mydict1['ID']=2222
mydict1
```

```
{'Name': 'Asif', 'ID': 2222, 'DOB': 1992, 'Address': 'Delhi'}
```

```
keys = {'a' , 'b' , 'c' , 'd'}
mydict3 = d.fromkeys(keys) # Create a dictionary from a sequence of
```

```
keys
mydict3
```

```
{'d': None, 'a': None, 'b': None, 'c': None}
```

mydict1.get('job') mydict1

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

```
{'Name': 'Asif', 'ID': 2222, 'DOB': 1995, 'Address': 'Delhi'}
```

```
mydict1.pop('ID')
mydict1
```

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

```
mydict1.popitem()
```

```
('Address', 'Delhi')
```

```
mydict1
```

```
{'Name': 'Asif', 'DOB': 1995}
```

```
mydict1.popitem()
```

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

```
del[mydict1['Name']]
```

```
mydict1
```

```
{}
```

```
mydict1={'Name':'Ashith'}
```

```
mydict1
```

```
{'Name': 'Ashith'}
```

```
mydict1.clear()
mydict1
```

```
{}
```

```
del mydict1
mydict1
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call
```

```
last)
Cell In[72], line 2
      1 del mydict1
----> 2 mydict1

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

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

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

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

```
Name : Asif
ID : 12345
DOB : 1991
Address : Hilsinki
```

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

```
Asif
12345
1991
Hilsinki
```

```
'Name' in mydict1
```

```
True
```

```
all(mydict1)
```

```
True
```

```
any(mydict1)
```

```
True
```

```
keys = {'a' , 'b' , 'c' , 'd'}
mydict3 = dict.fromkeys(keys) # Create a dictionary from a sequence of
keys
mydict3
```

```
{'d': None, 'a': None, 'b': None, 'c': None}
```

```
keys = {'a' , 'b' , 'c' , 'd'}
value = [10,20,30]
mydict3 = dict.fromkeys(keys , value) # Create a dictionary from a
sequence of
mydict3
```

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

```
value.append(40)
mydict3
```

```
{'d': None, 'a': None, 'b': None, 'c': None}
```

```
print(mydict3.get('a'))
```

```
None
```

```
list(mydict3.items())[1]
```

```
('a', None)
```