```
# dictionary create and print

dic = {10:"vivek",11:"chauhan"}
print(dic)
```

⋑▼ {10: 'vivek', 11: 'chauhan'}

```
# dictionary is mutable

dic = {} #empty dictionary or items.
print(dic)

#now we insert the key and value pair means items.
dic[1] = "vivek"
dic[2] = "chauhan"

print(dic)
```

⋑▼ {}
    {1: 'vivek', 2: 'chauhan'}

```
# accessing values in dictionary

dic = {10:"vivek",20:"chauhan"}
print(dic)

#now we access the values in the dictionary

print(dic[10])
print(dic[20])
```

⋑▼ {10: 'vivek', 20: 'chauhan'}
    vivek
    chauhan

```
# deleting dictionary elements

dic = {10:"vivek",20:"chauhan"}
print(dic)

#delete and element in the dictionary

del dic[10]
print(dic)
```

⋑▼ {10: 'vivek', 20: 'chauhan'}
    {20: 'chauhan'}

```
# dictionary functions

dic = {10:"vivek",20:"chauhan"}
print(dic)
print(len(dic))
```

⋑▼ {10: 'vivek', 20: 'chauhan'}
    2

```
# dictionary methods

dic1 = {"name":"vivek","surname":"chauhan"}
dic2 = {"course":"advanced-data-analysis"}
dic3 = dic1.copy()

print(dic1)
print(dic2)
print(dic3)

print(dic1.keys()) #in the keys are print
print(dic1.values()) #in the values print
print(dic1.items()) #in the items key and value pairs are print.
dic1.update(dic2) #basically it will work like append or concate.
print(dic1)
dic2.clear() #remove the items from dic2.simillarly like delete functions.
print(dic2)
dic1.get("name") #used to get values by using keys.
```

```
{'name': 'vivek', 'surname': 'chauhan'}
{'course': 'advanced-data-analysis'}
{'name': 'vivek', 'surname': 'chauhan'}
dict_keys(['name', 'surname'])
dict_values(['vivek', 'chauhan'])
dict_items([('name', 'vivek'), ('surname', 'chauhan')])
{'name': 'vivek', 'surname': 'chauhan', 'course': 'advanced-data-analysis'}
{}
'vivek'
```

Start coding or generate with AI.