

Lecture 26

Dictionary in python part 4

Dictionary length

```
In [1]: dict = {"ID":1225533,  
               "color":"red",  
               "year":1997}
```

```
In [2]: print(len(dict))
```

3

Get keys

```
In [3]: a = {"name":"priya","age":28,"country":"India"}
```

```
In [4]: x = a.keys()
```

```
In [5]: print(x)
```

dict_keys(['name', 'age', 'country'])

Get values

```
In [6]: a = {"name":"priya","age":28,"country":"India"}
```

```
In [7]: y = a.values()
```

```
In [8]: print(y)
```

dict_values(['priya', 28, 'India'])

change values

```
In [10]: a = {"name": "priya",  
            "age": 28,  
            "country": "india"}  
  
print(a)
```

```
{'name': 'priya', 'age': 28, 'country': 'india'}
```

```
In [11]: a['country'] = "Bharat"  
print(a)
```

```
{'name': 'priya', 'age': 28, 'country': 'Bharat'}
```

```
In [12]: a["age"] = 30  
print(a)
```

```
{'name': 'priya', 'age': 30, 'country': 'Bharat'}
```

Adding items

```
In [13]: person = {'name': "Alice",  
                  'age': 30}  
  
print(person)
```

```
{'name': 'Alice', 'age': 30}
```

```
In [14]: person['city'] = 'New Delhi'  
person['email id'] = "alice123@gmail.com"  
  
print(person)
```

```
{'name': 'Alice', 'age': 30, 'city': 'New Delhi', 'email id': 'alice123@gmail.com'}
```

update method

```
In [15]: person = {'name': "Alice",  
                  'age': 30,  
                  'country': "pune",  
                  'gender': "Male"}  
  
print(person)
```

```
{'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}
```

```
In [16]: person.update({"phone number": 5498596596569})
```

```
In [17]: print(person)
```

```
{'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male', 'phone number': 5498596596569}
```

```
In [18]: person.update({"mail id": "alice12@gmail.com", "adhar number": 965965965})  
print(person)
```

```
{'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male', 'phone number': 5498596596569, 'mail id': 'alice12@gmail.com', 'adhar number': 965965965}
```

Remove items

```
In [19]: a = {'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}
```

```
In [21]: print(a)
```

```
{'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}
```

```
In [22]: a.pop("age")  
print(a)
```

```
{'name': 'Alice', 'country': 'pune', 'gender': 'Male'}
```

del method

```
In [23]: a = {'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}
```

```
In [24]: del a["age"]  
print(a)
```

```
{'name': 'Alice', 'country': 'pune', 'gender': 'Male'}
```

```
In [27]: del a["country"],a["gender"]  
print(a)
```

```
{'name': 'Alice'}
```

```
In [29]: a = {'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}  
  
del a
```

```
In [30]: print(a)
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[30], line 1  
----> 1 print(a)  
  
NameError: name 'a' is not defined
```

clear method

```
In [31]: a = {'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}  
print(a)
```

```
{'name': 'Alice', 'age': 30, 'country': 'pune', 'gender': 'Male'}
```

```
In [32]: a.clear()  
print(a)
```

```
{}
```

```
In [ ]:
```