

▼ Data Structure

1. Numbers - int, float
2. String - str
3. list - list
4. tuple - tuple
5. dictionaries - dict
6. Set - set
7. Frozen set - frozenset
8. None type - None
9. Boolean - True, False

Dictionaries

Mutable Data types Map type - Each value should have unique key collection - of key value pair (key immutable type, value can be any valid python type)

[+ Code](#)
[+ Text](#)

```
data={
    "name":"aayush gupta"," language":["hindi","english"],"country":"india",
}
print(type(data))
print(data)
value=data["name"]
print(value)
key=input("Enter key:").strip().lower()
value=data.get(key,"no such key was found") # dict.get(key,default_value)
print(value)
data["blood group"]="B+"
print(data)
```

```
<class 'dict'>
{'name': 'aayush gupta', ' language': ['hindi', 'english'], 'country': 'india'}
aayush gupta
Enter key:blood group
no such key was found
{'name': 'aayush gupta', ' language': ['hindi', 'english'], 'country': 'india', 'blo
```

▼ Update information

```
dict.update(key1=value1,key2=value2)
```

```
dict.update([(key1,value1),(key2,value2)])
```

```
dict.update({key1:value1,key2:value2})
```

update/add all key value to dictionary

```
data.update(name="aayush kumar gupta",country = " Pakistan", city="patna")  
print(data)
```

```
➦ {'name': 'aayush kumar gupta', ' language': ['hindi', 'english'], 'country': ' Pakist
```



data

```
➦ {'name': 'aayush kumar gupta',  
  ' language': ['hindi', 'english'],  
  'country': ' Pakistan',  
  'blood group': 'B+',  
  'city': 'patna'}
```