

```
In [1]: dict1={"Shanghai":17.8,"Istanbul":13.3,"Karachi":13.0,"Mumbai":12.5}
```

```
In [2]: print(dict1)
```

```
{'Shanghai': 17.8, 'Istanbul': 13.3, 'Karachi': 13.0, 'Mumbai': 12.5}
```

```
In [3]: animals={'dogs':[20,10,15,8,32,15],'cats':[3,4,2,8,2,4],'rabbits':[2,3,3]}
print(animals)
```

```
{'dogs': [20, 10, 15, 8, 32, 15], 'cats': [3, 4, 2, 8, 2, 4], 'rabbits': [2, 3, 3], 'fish': [0.3, 0.5, 0.8, 0.3, 1]}
```

```
In [5]: animals['dogs']
```

```
Out[5]: [20, 10, 15, 8, 32, 15]
```

```
In [6]: animals['dogs'][3]
```

```
Out[6]: 8
```

```
In [3]: animals[3]
```

```
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NameError                                Traceback (most recent call last)
<ipython-input-3-b6b4a1b27aeb> in <module>
----> 1 animals[3]

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

```
In [9]: animals['fish']
```

```
Out[9]: [0.3, 0.5, 0.8, 0.3, 1]
```

```
In [12]: a=[1,2,2,3,3,3,4,4,4,4]
b=set(a)
print(b)
```

```
{1, 2, 3, 4}
```

```
In [13]: print(len(a)-len(b))
```

```
6
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```
In [14]: tuple_a=3,4
tuple_b=(3,4)
```