Python Bootcamp & Masterclass

membership operators

gknxt

Operators
Arithmetic +
Comparision >
Assignment =
Logical or
Bitwise &
Membership in
Identity is

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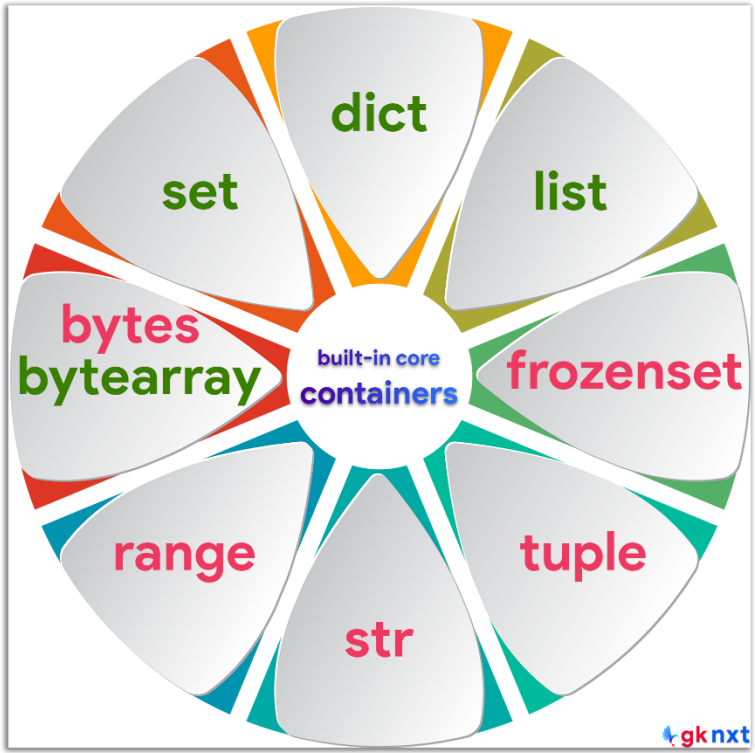
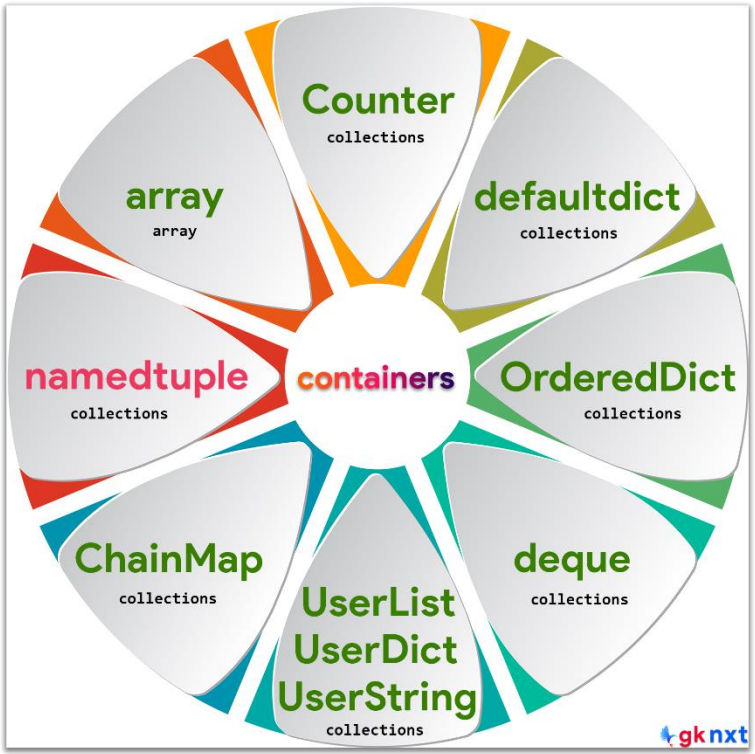
1. The operators **in** and **not in** test for object membership: x in y is true if and only if x is contained in y. x not in y yields the inverse truth value.

2. **in** and **not in** check membership using **__contains__ magic method**

3. **in** operator is a reserved keyword to test membership of the left operand in the collection defined as the right operand.

A container is an object that implements the method **__contains__**. So, any object that support membership testing is a container (membership operators : **in** and **not in**)





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```
'nx' in 'gknxt'
'GK' not in 'gknxt'
```

```
True
```

```
True
```

```
a = [1]
b = [1, 2, 3]
a in b
```

```
False
```

```
c = [2, 3]
d = [1, 2, 3]
c not in d
```

```
True
```

```
e = 2
f = [1, 2, 3]
e in f
```

```
True
```

```
t1 = ('a', 'e', 'i', 'o', 'u')
'i' in t1
```

```
True
```

Online Resources

For best python resources, please visit:

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