

Container classes

	Duplicate	Add/Remove Often?	Add/Remove Fr/Back/Mid
List	✓	✓	Easy MFD
Vector	✓	✓	Slow MFD
Queue	✓	add back remove front	
Set	X	not ordered	

```
class ListOps {
```

```
    public static void main (String[] args) {
```

```
        List <String> animals = new ArrayList <String> ();
```

```
        animals.add ("lion");
```

```
        :
```

```
        System.out.println (animals);
```

```
        ListIterator iter = animals.listIterator ();
```

```
        while (iter.hasNext ()) {
```

```
            System.out.println (iter.next ());
```

```
        }
```

```
    }
```

```
}
```

```
class Person {
```

```
    public Person (int a, String n) {
```

```
        age = a;
```

```
        name = n;
```

```
    }
```

```
    public void print () { ... }
```

```
    private int age;
```

```
    private String name;
```

```
}
```

```
class Student extends Person {
```

```
    public Student (int a, String n, String s) {
```

```
        super (a, n);
```

```
        school = s;
```

```
    }
```

```
    public void print () { ... }
```

```
    private String school;
```

```
}
```

Primitive types

int, char, float

NOT in Java

YES in C++

7Frame