

Passing object

# Passing objects to methods

- *Passing an object to a method is to pass the reference of the object.*

```
public class Test {
    public static void main(String[] args) {
        Count myCount = new Count();
        int times = 0;

        for (int i = 0; i < 100; i++)
            increment(myCount, times);

        System.out.println("count is " + myCount.count);
        System.out.println("times is " + times);
    }

    public static void increment(Count c, int times) {
        c.count++;
        times++;
    }
}
```

```
public class Count {
    public int count;

    public Count(int c) {
        count = c;
    }

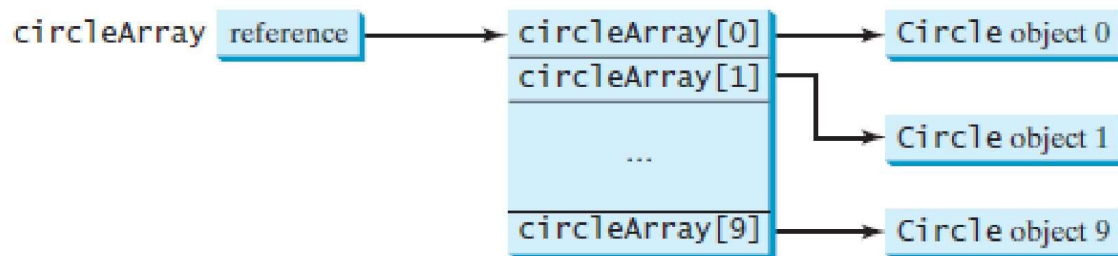
    public Count() {
        count = 1;
    }
}
```

# Array of Objects

*An array can hold objects as well as primitive type values.*

```
Circle[] circleArray = new Circle[10];
```

*An array of objects is actually an array of reference variables.*



# Passing an array of object

```
public static double sum(CircleWithPrivateDataFields[] circleArray) {  
    // Initialize sum  
    double sum = 0;  
  
    // Add areas to sum  
    for (int i = 0; i < circleArray.length; i++)  
        sum += circleArray[i].getArea();  
  
    return sum;  
}
```