

Rectangle/Ellipse  
contains method

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Java

# Rectangle/Ellipse contains method

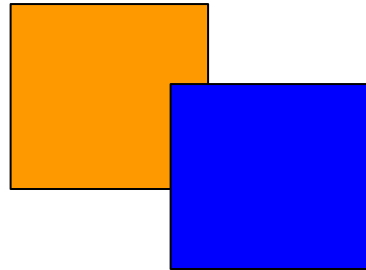
contains method definition in the  
Rectangle class:

```
public boolean contains(Rectangle are)
```

# Rectangle contains method

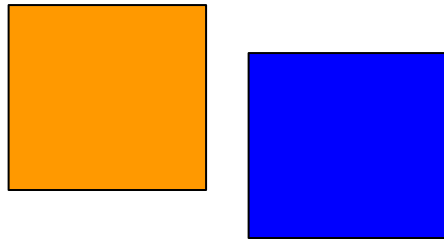
How it works:

if



method returns  
true

else



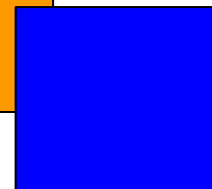
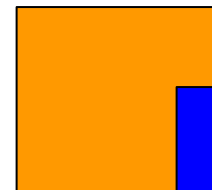
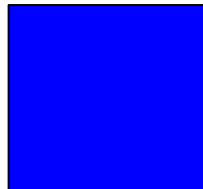
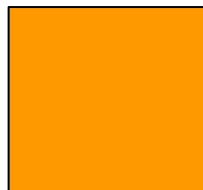
method returns  
false

# Rectangle contains method

```
Rectangle a = new Rectangle(10,10,10,10);  
a.fill();
```

```
Rectangle b = new Rectangle(100,100,100,100);  
b.fill();
```

```
if(a.contains(b))  
{  
    System.out.println("blocks collided!");  
}
```



# Lab

- Make an ellipse object
- control the motion of the ellipse with the w-a-s-d keys
- Make a Rectangle object that recycles forever
- When the ellipse collides with the Rectangle, the Rectangle should stop moving