

《 Java: 같지만 다른 것들 》

이 문서는 유료용으로 판매되는 강좌의 자료입니다. 무단 복제 및 배포를 금지합니다.

출처: www.youtube.com/@weekendcode // <https://inf.run/zSrvA>

```
public class StringComparison {  
    public static void main(String[] args) {  
        String str1 = "Hello";  
        String str2 = "Hello";  
        String str3 = new String("Hello");  
        System.out.println("str1 == str2: " + (str1 == str2));  
        System.out.println("str2 == str3: " + (str2 == str3));  
        System.out.println("str1 == str3: " + (str1 == str3));  
        System.out.println("str1.equals(str2): " + str1.equals(str2));  
        System.out.println("str1.equals(str3): " + str1.equals(str3));  
    }  
}
```

출력값:

```
str1 == str2: true  
str1 == str2: false  
str1 == str3: false  
str1.equals(str2): true  
str1.equals(str3): true
```

```
public class WrapperClassComparison {  
    public static void main(String[] args) {  
        Integer num1 = 128;  
        Integer num2 = 128;  
        Integer num3 = new Integer(128);  
        System.out.println("num1 == num2: " + (num1 == num2));  
        System.out.println("num1 == num3: " + (num1 == num3));  
        System.out.println("num1.equals(num2): " + num1.equals(num2));  
        System.out.println("num1.equals(num3): " + num1.equals(num3));  
        Integer num4 = 127;  
        Integer num5 = 127;  
        System.out.println("num4 == num5: " + (num4 == num5));  
        System.out.println("num4.equals(num5): " + num4.equals(num5));  
    }  
}
```

출력값:

```
num1 == num2: false  
num1 == num3: false  
num1.equals(num2): true  
num1.equals(num3): true  
num4 == num5: true  
num4.equals(num5): true
```

```
public class IntIntegerComparison {  
    public static void main(String[] args) {  
        int num1 = 100;  
        Integer num2 = 100;  
        System.out.println("num1 == num2: " + (num1 == num2));  
        Integer num3 = 100;  
        Integer num4 = 100;  
        Integer num5 = new Integer(100);  
        System.out.println("num3 == num4: " + (num3 == num4));  
        System.out.println("num3 == num5: " + (num3 == num5));  
        System.out.println("num3.equals(num5): " + num3.equals(num5));  
    }  
}
```

출력값:

```
num1 == num2: true  
num3 == num4: true  
num3 == num5: false  
num3.equals(num5): true
```

```
public class DoubleComparison {  
    public static void main(String[] args) {  
        Double d1 = 128.0;  
        Double d2 = 128.0;  
        Double d3 = new Double(128.0);  
        System.out.println("d1 == d2: " + (d1 == d2));  
        System.out.println("d1 == d3: " + (d1 == d3));  
        System.out.println("d1.equals(d2): " + d1.equals(d2));  
        System.out.println("d1.equals(d3): " + d1.equals(d3));  
        Double d4 = 127.0;  
        Double d5 = 127.0;  
        System.out.println("d4 == d5: " + (d4 == d5));  
        System.out.println("d4.equals(d5): " + d4.equals(d5));  
    }  
}
```

출력값:

```
d1 == d2: false  
d1 == d3: false  
d1.equals(d2): true  
d1.equals(d3): true  
d4 == d5: false  
d4.equals(d5): true
```

```
public class BooleanComparison {  
    public static void main(String[] args) {  
        Boolean b1 = Boolean.TRUE;  
        Boolean b2 = Boolean.TRUE;  
        Boolean b3 = new Boolean(true);  
        Boolean b4 = Boolean.valueOf(true);  
        System.out.println("b1 == b2: " + (b1 == b2)); // true  
        System.out.println("b1 == b3: " + (b1 == b3)); // false  
        System.out.println("b1.equals(b3): " + b1.equals(b3)); // true  
        System.out.println("b1 == b4: " + (b1 == b4)); // true  
        System.out.println("b1.equals(b4): " + b1.equals(b4)); // true  
    }  
}
```

출력값:

```
b1 == b2: true  
b1 == b3: false  
b1.equals(b3): true  
b1 == b4: true  
b1.equals(b4): true
```

이 문서는 유료용으로 판매되는 강좌의 자료입니다. 무단 복제 및 배포를 금지합니다.

출처: www.youtube.com/@weekendcode // <https://inf.run/zSrvA>

```

import java.util.Objects;

class Person {
    String name;
    int age;
    Person(String name, int age) {
        this.name = name;
        this.age = age;
    }
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null || getClass() != obj.getClass()) {
            return false;
        }
        Person person = (Person) obj;
        return age == person.age && name.equals(person.name);
    }
    public int hashCode() {
        return Objects.hash(name, age);
    }
}

public class CustomClassComparison {
    public static void main(String[] args) {
        Person person1 = new Person("John", 25);
        Person person2 = new Person("John", 25);
        Person person3 = new Person("Jane", 23);
        System.out.println("person1 == person2: " + (person1 == person2));
        System.out.println("person1.equals(person2): " + person1.equals(person2));
        System.out.println("person1.equals(person3): " + person1.equals(person3));
    }
}

```

출력값:

```

person1 == person2: false
person1.equals(person2): true
person1.equals(person3): false

```