

## Collection.isEmpty() should be used to test for emptiness (squid:S1155)

🔗 Code smell 🟡 Minor

Using `Collection.size()` to test for emptiness works, but using `Collection.isEmpty()` makes the code more readable and can be more performant. The time complexity of any `isEmpty()` method implementation should be  $O(1)$  whereas some implementations of `size()` can be  $O(n)$ .

### Noncompliant Code Example

---

```
if (myCollection.size() == 0) { // Noncompliant
    /* ... */
}
```

---

### Compliant Solution

---

```
if (myCollection.isEmpty()) {
    /* ... */
}
```

---