
Comparing arrays / objects

COMP 102

Victoria University of Wellington

Comparing arrays and objects

- Be careful when comparing arrays and objects

```
int[ ] a = new int[ ]{ 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 43, 47};
```

```
int[ ] b = new int[ ]{ 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 43, 47};
```

```
int[ ] c = b;
```

```
if (a == b) ..           → ??
```

```
if (b == c) ..           → ??
```

```
if (a.equals(b) ) ..     → ??
```

```
if (Arrays.equals(a, b) ) .. → ??
```

```
if (this.myIntArrayEquals(a, b) ) .. → ??
```

```
public boolean myIntArrayEquals(int[ ] a, int[ ] b) {
    if (a==null && b==null ) { return true; }
    if (a==null || b==null ) { return false; }
    if ((a.length != b.length) ) { return false; }
    for (int i = 0; i < a.length; i++) { if ( a[i] != b[i] ) { return false; } }
    return true;
}
```