

Data Types - Boolean

Boolean

Boolean values mean `true` or `false`. You will see how boolean values are used when we talk about conditionals and while loops.

```
boolean thisIsFun = true;  
System.out.print(thisIsFun);
```

TRY IT

false

What happens if you:

- Change the variable to `false`?
- Change the variable to `True`?
- Change the variable to `False`?

TRY IT

```
code/fundamentals/PlaygroundVariables4.java:5: error:  
cannot find symbol
```

```
    boolean thisIsFun = False;  
                        ^
```

```
symbol:   variable False
```

```
location: class PlaygroundVariables4
```

```
1 error
```

```
false
```

Variables - Booleans RQ

What is the general rule for boolean values in Java?

- Boolean values are case sensitive and must be lowercase.

- ☒ Boolean values are not case sensitive and can be either uppercase or lowercase.
- ☐ Boolean values are case sensitive and must be uppercase.
- ☐ Boolean values are case sensitive and must be all caps.

Boolean values in Java are case sensitive and must start with a lowercase letter: `true` or `false`.