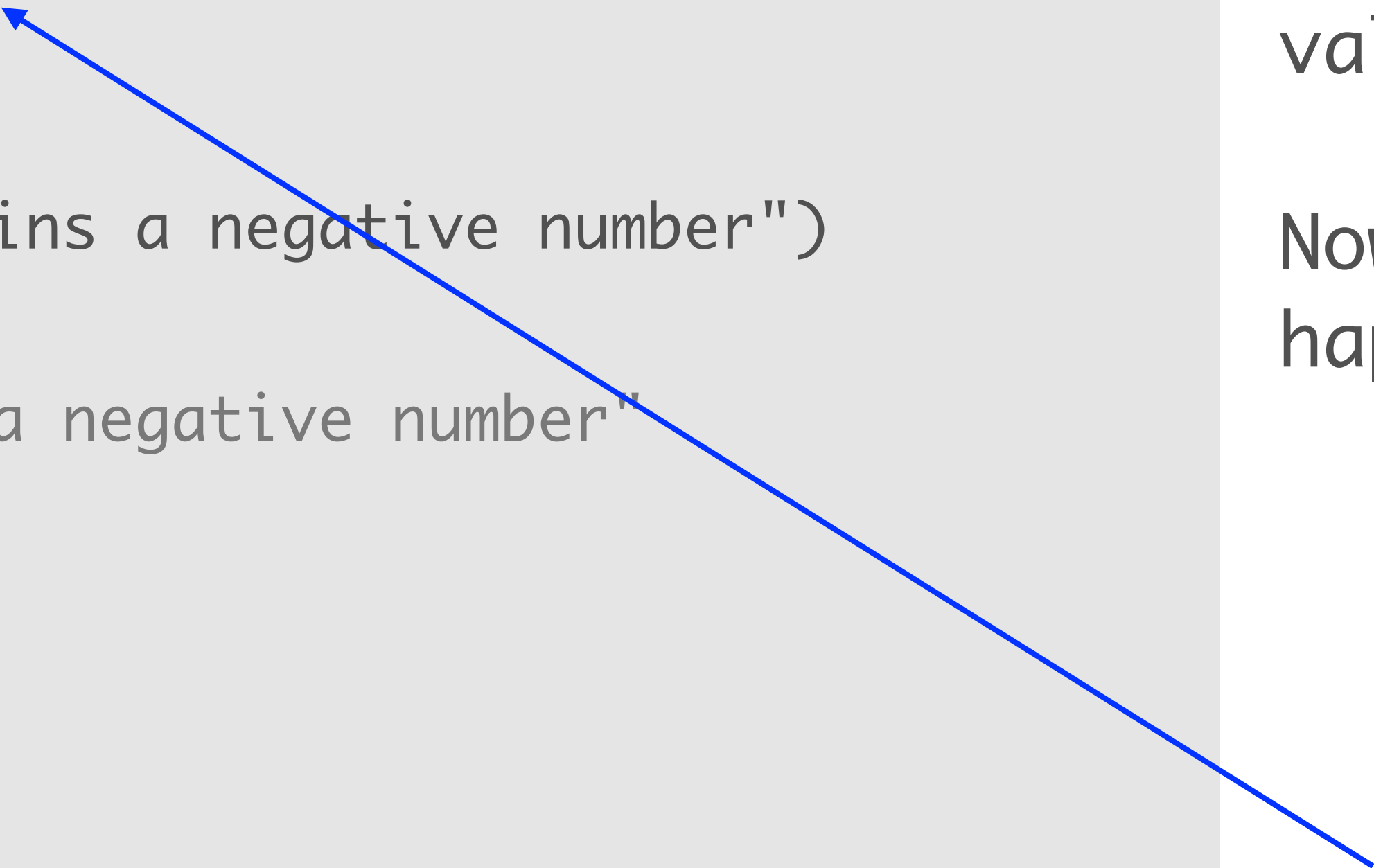# SYNTAX OF AN **if** STATEMENT

```
x <- c(8, 3, -2, 5)

if(any(x < 0)) {
  print("x contains a negative number")
}
[1] "x contains a negative number"
```

Instead, we can assess if any x values are less than 0

Now what do you expect to happen?

Change -2 to 2. Now what happens when you run this code?

SYNTAX OF AN `if…else` STATEMENT

```
if (test_expression) {
  statement 1
} else {
  statement 2
}
```

We can extend an if statement with an else statement.