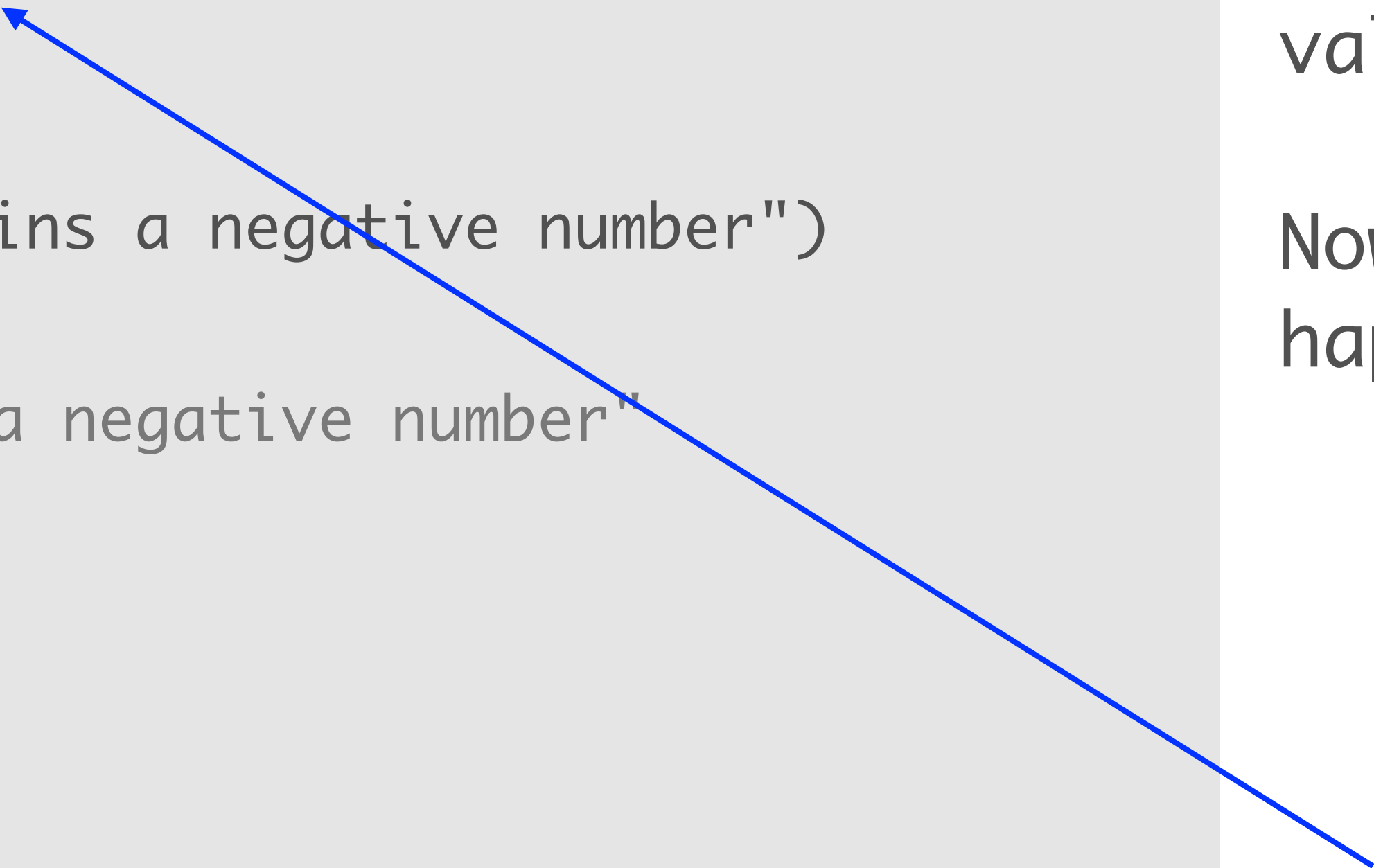


SYNTAX OF AN *if* STATEMENT

```
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.