

# SYNTAX OF AN `if` STATEMENT

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

```
if(x < 0) {  
  print("x contains a negative number")  
}
```

Warning message:

In if (x < 0) print("Negative") :  
the condition has length > 1 and only the first  
element will be used

Trick question - we actually  
get a **warning**

The if statement looks for a  
single conditional value.

Here, `x < 0` will return a  
vector of 4 conditional values.

# SYNTAX OF AN `if` STATEMENT

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

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

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

Now what do you expect to happen?