

SYNTAX OF AN `if...else` STATEMENT

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

if(any(x < 0)) {
  print("x contains negative number(s)")
} else{
  print("x contains all positive numbers")
}

[1] "x contains negative number(s)"
```

Now, if the `test expression` is TRUE we print `statement 1` and if it is FALSE we print `statement 2`.

SYNTAX OF AN `if...else` STATEMENT

```
x <- 7

if(x >= 10) {
  print("x exceeds acceptable tolerance levels")
} else if(x >= 0 & x < 10) {
  print("x is within acceptable tolerance
levels")
} else {
  print("x is negative")
}

[1] "x is within acceptable tolerance levels"
```

And we can expand this further to include **multiple test expressions**.