

IF statement

- if (*condition*) *statement1* else *statement2*
 - **condition** is evaluated
 - **statement1** will be executed if the condition is TRUE
 - else, **statement2** will be executed(grouped statement is enclosed within braces {})
- example:

```
x <- 5
if (x > 0) print ("x is non-negative!") else print ("x
  is negative")
[1] "x is non-negative!"
```

FOR statement

- for (*variable in sequence*) *statement*
 - **variable** is the loop variable
 - **sequence** is the vector of values for *variable* within the loop
- example:

```
x <- 0
for (i in 1:10){
  x <- x + i}
```

```
x
[1] 55
```