Lecture 7

Recap: function scoping

- Variables created within a function don't exist outside
- If a variable is not defined in a function, R looks outside the function
- Names defined inside a function mask names defined outside a function

```
1  x <- 10
2
3  g02 <- function(x){
4     x <- x + 1
5     return(x)
6  }
7
8  g02(x)

[1] 11

1  x + 1

[1] 11</pre>
```

[1] 12

```
1 x <- 10
2
3 g02 <- function(x){
4    x <- x + 1
5    return(x)
6 }
7
8 x <- g02(x)
9 x + 1</pre>
```

```
1 g02 <- function(y){
2    y <- y - 1
3    return(y)
4 }
5
6 g02(g02(20))</pre>
```

[1] 18