

# Swirl

AI Casas

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Control Structure: If/else

```
x <- 5
y <- if(x>3){
  10
} else {
  0
}
y
```

```
## [1] 10
```

Not really too necessary in R, although worthy to know

Control Structure: Loops

```
for (i in 1:10){
  print(i)
}
```

```
## [1] 1
## [1] 2
## [1] 3
## [1] 4
## [1] 5
## [1] 6
## [1] 7
## [1] 8
## [1] 9
## [1] 10
```

```
w <- c("a", "b", "c", "d")
for(i in seq_along(w)) {
  print(w[i])
}
```

```
## [1] "a"
## [1] "b"
## [1] "c"
## [1] "d"
```

```
w <- c("a", "b", "c", "d")
for(i in 1:4) {
  print(w[i])
}
```

```
## [1] "a"
## [1] "b"
## [1] "c"
## [1] "d"
```

matrix and loops

```
q <- matrix(1:6, 2, 3)
q
```

```
##      [,1] [,2] [,3]
## [1,]    1    3    5
## [2,]    2    4    6
```

```
for(i in seq_len(ncol(q))){
  print(q[,i])
}
```

```
## [1] 1 2
## [1] 3 4
## [1] 5 6
```

While loops

```
count <- 0
while (count < 10){
  print(count)
  count <- count + 1
}
```

```
## [1] 0
## [1] 1
## [1] 2
## [1] 3
## [1] 4
## [1] 5
## [1] 6
## [1] 7
## [1] 8
## [1] 9
```

Next

```
for(i in 1:100) {  
  if (i <= 20) {  
    next  
  }  
  
  print(i)  
}
```

```
## [1] 21  
## [1] 22  
## [1] 23  
## [1] 24  
## [1] 25  
## [1] 26  
## [1] 27  
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## [1] 64  
## [1] 65
```

```
## [1] 66
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## [1] 96
## [1] 97
## [1] 98
## [1] 99
## [1] 100
```