SYNTAX OF A **for** LOOP

```r
result <- vector(mode = "character",
                 length = length(years))

for (i in seq_along(years)) {
  output <- paste("The year is", years[i])
  result[i] <- output
}

result
[1] "The year is 2010" "The year is 2011"
[3] "The year is 2012" "The year is 2013"
[5] "The year is 2014" "The year is 2015"
[7] "The year is 2016" "The year is 2017"
```

When saving results from a for loop we want to:

1. initiate the output outside of the for loop

2. save the results from the for loop to the output

SYNTAX OF A **for** LOOP

```r
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"
```

Remember this extended if…else statement?

Let's implement it into a for loop