신입생세미나 과제3

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# Loop를 사용한 결과

fun1 <- function(n){  
 tmp <- 0  
 for(i in seq\_len(n)){  
 tmp <- tmp + i  
 }  
 return(tmp)  
}  
  
start\_time <- Sys.time()  
  
fun1(100)

## [1] 5050

end\_time <- Sys.time()  
elapsed\_time <- as.numeric(difftime(time1 = end\_time, time2 = start\_time, units = "secs"))  
cat("elapsed time : ", sprintf("%.3f", elapsed\_time), "sec", sep = "")

## elapsed time : 0.013sec

# lapply를 사용한 결과

start\_time <- Sys.time()  
  
lapply(100, function(i){return(sum(1:i))})

## [[1]]  
## [1] 5050

end\_time <- Sys.time()  
elapsed\_time <- as.numeric(difftime(time1 = end\_time, time2 = start\_time, units = "secs"))  
cat("elapsed time : ", sprintf("%.3f", elapsed\_time), "sec", sep = "")

## elapsed time : 0.002sec