Advent Of Code 2022

```
library(readr)
library(magrittr)
library(dplyr)
```

Day 1

Part 1

Find the Elf carrying the most Calories. How many total Calories is that Elf carrying?

```
raw_data <- read_csv("day1.txt", col_names = FALSE, skip_empty_rows = FALSE)
```

```
data = c()
cumsum = 0
for (v in raw_data$X1) {
  if (is.na(v)) {
    data <- append(data, cumsum)
    cumsum <- 0
  } else {
    cumsum <- cumsum + v
  }
}

max_cal <- 0
for (v in data) {
  if (v > max_cal) {
    max_cal <- v
  }
}

max_cal
```

```
## [1] 72070
```

Part 2

Find the top three Elves carrying the most Calories. How many Calories are those Elves carrying in total?

```
max_cals <- c(0, 0, 0)
for (v in data) {
  for (i in 1:3) {
    if (v > max_cals[i]) {
      min_index <- 1
      if (max_cals[2] < max_cals[min_index]) {
        min_index <- 2
      }
      if (max_cals[3] < max_cals[min_index]) {
        min_index <- 3
```

```
      }
      max_cals[min_index] <- v
      break
    }
  }
}

sum(max_cals)
```

```
## [1] 211805
```