

```
students <- data.frame(
  Name = c("John", "Alice", "Bob", "David", "Emma"),
  Math = c(85, 90, 78, 92, 88),
  Science = c(82, 88, 76, 95, 85),
  English = c(89, 91, 80, 88, 94)
)
students

#1.
AVERAGE <- apply(students[, c("Math", "Science", "English")], 1, FUN = mean)
AVERAGE

#2.
AVERAGE_SUBJECT <- lapply(students[, c("Math", "Science", "English")], FUN = mean)
AVERAGE_SUBJECT

#3.
totalScore_subject <- sapply(students[, c("Math", "Science", "English")], FUN = sum)
totalScore_subject

#4.
highest_score_subject <- apply(students[, c("Math", "Science", "English")], 2, FUN = max)

#5.
higher_85 <- function(scores) {
  filtered_scores <- scores[scores >= 85]
  return(filtered_scores)
}
high_scores <- lapply(students[, c("Math", "Science", "English")], FUN = higher_85)
high_scores

#6.
std_subject <- sapply(students[, c("Math", "Science", "English")], FUN = sd)
std_subject

#7.
CHECKER <- function(scores) {
  AVERAGE <- mean(scores)

  if (AVERAGE >= 85) {
    return("Pass")
  } else {
    return("Fail")
  }
}
output <- apply(students[, c("Math", "Science", "English")], 1, FUN = CHECKER)
output

#8.
higher_90 <- function(scores) {
  count <- sum(scores >= 90)
  return(count)
}

higherr_90 <- lapply(students[, c("Math", "Science", "English")], higher_90)
higherr_90
```