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# Load necessary package

library(dplyr)

# Create an empty data frame

student\_data <- data.frame(

Name = character(),

Math\_Score = numeric(),

Science\_Score = numeric(),

History\_Score = numeric(),

Attendance = numeric())

# Add a student

add\_student <- function(name, math, science, history, attendance) {

student\_data <<- rbind(student\_data, data.frame(

Name = name,

Math\_Score = math,

Science\_Score = science,

History\_Score = history,

Attendance = attendance

))

}

generate\_report <- function() {

# Calculate average scores

student\_data$Average\_Score <- (student\_data$Math\_Score + student\_data$Science\_Score + student\_data$History\_Score) / 3

# Create attendance labels

student\_data$Attendance\_Label <- ifelse(student\_data$Attendance < 70, "NE", student\_data$Attendance)

# Select relevant columns for the report

report <- student\_data[c("Name", "Average\_Score", "Attendance\_Label")]

# Print the report

print(report)

}

# User interface

repeat {

choice <- as.integer(readline("\n1. Add Student\n2. Generate Report\n3. Exit\n"))

if (choice == 1) {

name <- readline("Name: ")

math <- as.numeric(readline("Math Score: "))

science <- as.numeric(readline("Science Score: "))

history <- as.numeric(readline("History Score: "))

attendance <- as.numeric(readline("Attendance: "))

add\_student(name, math, science, history, attendance)

} else if (choice == 2) {

generate\_report()

} else if (choice == 3) {

cat("Goodbye!\n")

break

} else {

cat("Invalid choice.\n")

}

}