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# Number of students and courses

num\_students <- 5

num\_courses <- 5

# Student names

student\_names <- c("Arun Rahul", "Bheem Kumar", "Raj Kumar", "Jahal A R", "Suresh")

# Matrix of course marks

course\_marks <- matrix(c(

85, 92, 78, 88, 95,

75, 80, 85, 70, 60,

100, 78, 56, 34, 56,

78, 45, 67, 89, 90,

89, 80, 67, 78, 90

), nrow = 5)

# Create a data frame to store student records

student\_records <- data.frame(

Name = student\_names,

Total\_Marks = rowSums(course\_marks),

Average\_Marks = rowMeans(course\_marks)

)

# Add grades based on average marks

student\_records$Grade <- ifelse(

student\_records$Average\_Marks >= 90, "A",

ifelse(student\_records$Average\_Marks >= 80, "B",

ifelse(student\_records$Average\_Marks >= 70, "C",

ifelse(student\_records$Average\_Marks >= 60, "D", "F")))

)

# Print student grade report

cat("\nStudent Grade Report:\n")

print(student\_records)