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| **Problem Statement Title** | Calculate the average score |
| **C programming Concept** | Array \_ 1D \_2D |
| **Additional Programming Concepts** | Recursive function |

**Introduction:**

BlessyJohn is a teacher who wants to write a program to calculate the average score of each student in her class. She has the scores of each student in different subjects, represented as a 2D array. Each row represents a student, and each column represents a subject. BlessyJohn wants to write a recursive function to calculate the average score for each student.

Write a recursive function in C called “calculateAverageScores” that takes a 2D array of integers representing the scores of each student in different subjects, along with its dimensions (rows and columns). The function should calculate the average score for each student and store it in a separate 1D array. The function should not return anything.

For example, given the scores 2D array:

int scores[ ][4] = {

{78, 89, 92, 87},

{90, 87, 78, 95},

{88, 92, 80, 84}

};

After executing the `calculateAverageScores` function, the average scores array should be:

float averageScores[] = {86.5, 87.5, 86.0};