#include <stdio.h>

#define NAME\_LENGTH 50

#define NUMBER\_OF\_STUDENTS 3

// A function to calculate the average marks

float calculateAverage(const float marks[], int count){

float sum = 0;

for (int i = 0; i < count; i++){

sum += marks[i];

}

return sum / count;

}

// A function to display student names and marks

void displayStudentData(const char names[][NAME\_LENGTH], const float marks[]){

printf("\nStudent Names and Marks: \n");

for (int i = 0; i < NUMBER\_OF\_STUDENTS; i++){

printf("%s: %.2f\n",names[i], marks[i]);

}

}

int main(){

char names[NUMBER\_OF\_STUDENTS][NAME\_LENGTH];

float marks[NUMBER\_OF\_STUDENTS];

// Prompts the user for student names and marks

for (int i = 0; i < NUMBER\_OF\_STUDENTS; i++){

printf("Enter the name of student %d: ", i + 1);

scanf(" %[^\n]", names[i]);

printf("Enter the mark of student %d: ", i + 1);

scanf("%f", &marks[i]);

}

// Calculate and display the average marks

float average = calculateAverage(marks,NUMBER\_OF\_STUDENTS);

displayStudentData(names, marks);

printf("\nAverage Mark: %.2f\n",average);

return 0;

}