#include <stdio.h>

#define NAME\_LENGTH 50

#define STUDENT\_COUNT 3 //define the length and student number

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

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

int main() {

char names[STUDENT\_COUNT][NAME\_LENGTH];

float marks[STUDENT\_COUNT];

float average;

printf("Enter the names and marks for three students:\n");

for (int i = 0; i < STUDENT\_COUNT; i++) {

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

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

getchar();

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

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

}

average = calculateAverage(marks, STUDENT\_COUNT);

displayStudentData(names, marks);

printf("Average mark: %.2f\n", average);

return 0;

}

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

float sum = 0.0;

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

sum += marks[i];

}

return sum / count;

}

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

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

for (int i = 0; i < STUDENT\_COUNT; i++) {

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

}

}