Week 7-8-9

Q3. Demonstrate friend function egaverage () to calculate

average of students marks

##include <iostream>

using namespace std;

class Student {

private:

int marks[6];

public:

void inputMarks() {

cout << "Enter marks for 6 subjects: ";

for (int &mark : marks) {

cin >> mark;

}

}

friend float calculateAverage(Student &s);

};

float calculateAverage(Student &s) {

int total = 0;

for (int mark : s.marks) {

total += mark;

}

return static\_cast<float>(total) / 6; // Calculate average

}

int main() {

Student student;

student.inputMarks();

float avg = calculateAverage(student); // Friend function called

cout << "Average Marks: " << avg << endl;

return 0;

}