



Source Code:

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UNIVERSITY OF CALOOCAN CITY
Brgy. 173, Congressional Road, Caloocan City
COLLEGE OF LIBERAL ARTS AND SCIENCES
PROGRAMMING LANGUAGES



```
}

static void EnterStudentGrades()
{
    Console.WriteLine(" ");
    Console.WriteLine("Enter Student Names and Grades:");

    Console.Write("Student Name: ");
    string name = Console.ReadLine();
    studentNames[numberOfStudents] = name;

    Console.Write("Prelim Grade: ");
    double prelimGrade = double.Parse(Console.ReadLine());
    studentGrades[numberOfStudents, 0] = prelimGrade;

    Console.Write("Midterm Grade: ");
    double midtermGrade = double.Parse(Console.ReadLine());
    studentGrades[numberOfStudents, 1] = midtermGrade;

    Console.Write("Final Term Grade: ");
    double finalGrade = double.Parse(Console.ReadLine());
    studentGrades[numberOfStudents, 2] = finalGrade;

    double averageGrade = (prelimGrade + midtermGrade + finalGrade) / 3;
    Console.WriteLine($"Average Grade: {averageGrade}");

    string result = (averageGrade >= 75) ? "PASSED" : "FAILED";
    Console.WriteLine($"Result: {result}");

    numberOfStudents++;
}

static void SearchForStudentRecords()
{
    if (numberOfStudents == 0)
    {
        Console.WriteLine("No student records found.");
        return;
    }

    Console.WriteLine(" ");
    Console.WriteLine("List of Student Records:");
    Console.WriteLine("Student Number\tStudent Name");
    for (int i = 0; i < numberOfStudents; i++)
    {
        Console.WriteLine($"{i + 1}\t\t{studentNames[i]}");
    }

    Console.WriteLine(" ");
    Console.Write("Enter the student number to search or 0 to exit: ");
    int searchChoice = int.Parse(Console.ReadLine());

    if (searchChoice == 0)
        return;

    if (searchChoice > 0 && searchChoice <= numberOfStudents)
    {
        int studentIndex = searchChoice - 1;
        Console.WriteLine($"Student Name: {studentNames[studentIndex]}");
        Console.WriteLine($"Prelim Grade: {studentGrades[studentIndex, 0]}");
        Console.WriteLine($"Midterm Grade: {studentGrades[studentIndex, 1]}");
        Console.WriteLine($"Final Term Grade: {studentGrades[studentIndex, 2]}");

        double averageGrade = (studentGrades[studentIndex, 0] + studentGrades[studentIndex, 1] +
studentGrades[studentIndex, 2]) / 3;
        Console.WriteLine($"Average Grade: {averageGrade}");

        string result = (averageGrade >= 75) ? "PASSED" : "FAILED";
        Console.WriteLine($"Result: {result}");
    }
    else
    {
        Console.WriteLine("Invalid student number.");
    }
}
}
```



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Output (Sample):

```
C:\Users\ADMIN\Desktop\PP Namias\Student Grade Calculator\Student Grade Calculator\bin\Debug\Student Grade Calculator.exe
Student Grade Calculator
[ 1 ] Enter student grades
[ 2 ] Search for student records
[ 3 ] Exit

Choose an option: 1

Enter Student Names and Grades:
Student Name: Namias
Prelim Grade: 98
Midterm Grade: 87
Final Term Grade: 78
Average Grade: 87.6666666666667
Result: PASSED

[ 1 ] Enter student grades
[ 2 ] Search for student records
[ 3 ] Exit

Choose an option: 1

Enter Student Names and Grades:
Student Name: Gian
Prelim Grade: 85
Midterm Grade: 96
Final Term Grade: 74
Average Grade: 85
Result: PASSED

[ 1 ] Enter student grades
[ 2 ] Search for student records
[ 3 ] Exit

Choose an option: 2

List of Student Records:
Student Number Student Name
1 Namias
2 Gian

Enter the student number to search or 0 to exit: 1
Student Name: Namias
Prelim Grade: 98
Midterm Grade: 87
Final Term Grade: 78
Average Grade: 87.6666666666667
Result: PASSED

[ 1 ] Enter student grades
[ 2 ] Search for student records
[ 3 ] Exit

Choose an option:
```