ANGHELA M. ALIZA
BSIT 3-B

MIDTERM PRACTICAL EXAMINATION

MIDTERM — MIDTERM.Program

```
using System;
using System.IO;
using System.Collections.Generic;

namespace MIDTERM
{
    0 references
    class Program
    {
        static string filePath = "students.txt";

        0 references
        static void Main()
        {
            while (true)
            {
                Console.Clear();
                Console.WriteLine("=== Student Record System ===");
                Console.WriteLine("1. Add Student");
                Console.WriteLine("2. View All Students");
                Console.WriteLine("3. Exit");
                Console.Write("\nEnter your choice: ");
                string choice = Console.ReadLine();

                switch (choice)
                {
                    case "1":
                        AddStudent();
                        break;
                    case "2":
                        ViewStudents();
                        break;
                    case "3":
                        Console.WriteLine("\nExiting program... Goodbye!");
                        return;
                    default:
                        Console.WriteLine("\nInvalid choice. Please try again.");
                        break;
                }

                Console.WriteLine("\nPress any key to return to menu...");
                Console.ReadKey();
            }
        }

        // Add a new student
        1 reference
        static void AddStudent()
        {
            Console.Clear();
            Console.WriteLine("=== Add Student ===");

            Console.Write("Enter student name: ");
            string name = Console.ReadLine();

            if (string.IsNullOrWhiteSpace(name))
            {
                Console.WriteLine("Error: Name cannot be empty.");
                return;
            }

            Console.Write("Enter student age: ");
            string ageInput = Console.ReadLine();

            if (!int.TryParse(ageInput, out int age) || age >= 30)
            {
                Console.WriteLine("Error: Invalid age. Please enter a number LESS than 30.");
                return;
            }

            try
            {
                using (StreamWriter writer = new StreamWriter(filePath, true))
                {
                    writer.WriteLine($"{name},{age}");
                }
                Console.WriteLine("\nStudent record added successfully!");
            }
            catch
            {
                Console.WriteLine("Error: Unable to write to file.");
            }
        }
```

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```
81
82          // View all students
            1 reference
83          static void ViewStudents()
84          {
85              Console.Clear();
86              Console.WriteLine("=== All Student Records ===\n");
87
88              if (!File.Exists(filePath))
89              {
90                  Console.WriteLine("No student records found.");
91                  return;
92              }
93
94              List<string> students = new List<string>(File.ReadAllLines(filePath));
95
96              if (students.Count == 0)
97              {
98                  Console.WriteLine("No student records found.");
99                  return;
100             }
101
102             int count = 0;
103             foreach (string line in students)
104             {
105                 count++;
106                 string[] parts = line.Split(',');
107
108                 if (parts.Length == 2)
109                 {
110                     Console.WriteLine($"{count}. Name: {parts[0]}, Age: {parts[1]}");
111                 }
112             }
113         }
114     }
115 }
116
```

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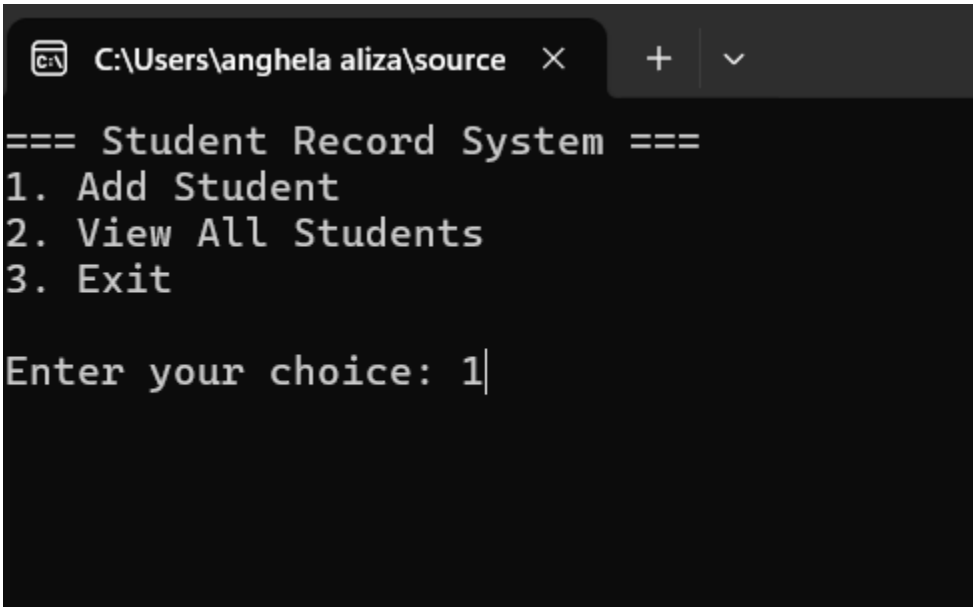
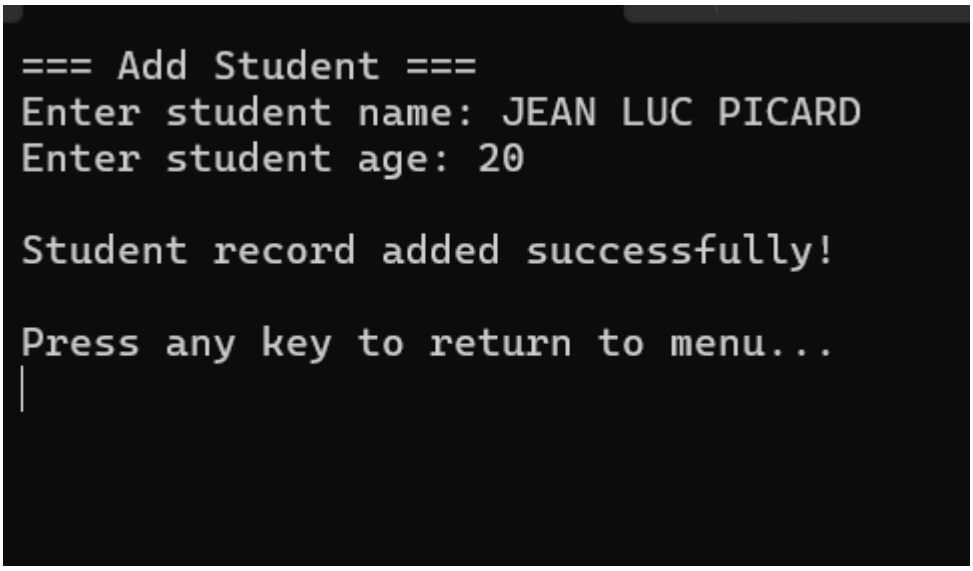
OUTPUT





//IT WILL NOT ACCEPT AGE 30 AND UP

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MIDTERM PRACTICAL EXAMINATION

```
=== Add Student ===
Enter student name: RIKER JHONATAN
Enter student age: 31
Error: Invalid age. Please enter a number LESS than 30.

Press any key to return to menu...
```

```
=== Student Record System ===
1. Add Student
2. View All Students
3. Exit

Enter your choice: 2
```

```
C:\Users\anghela aliza\source
=== All Student Records ===

1. Name: JEAN LUC PICARD, Age: 20

Press any key to return to menu...
```

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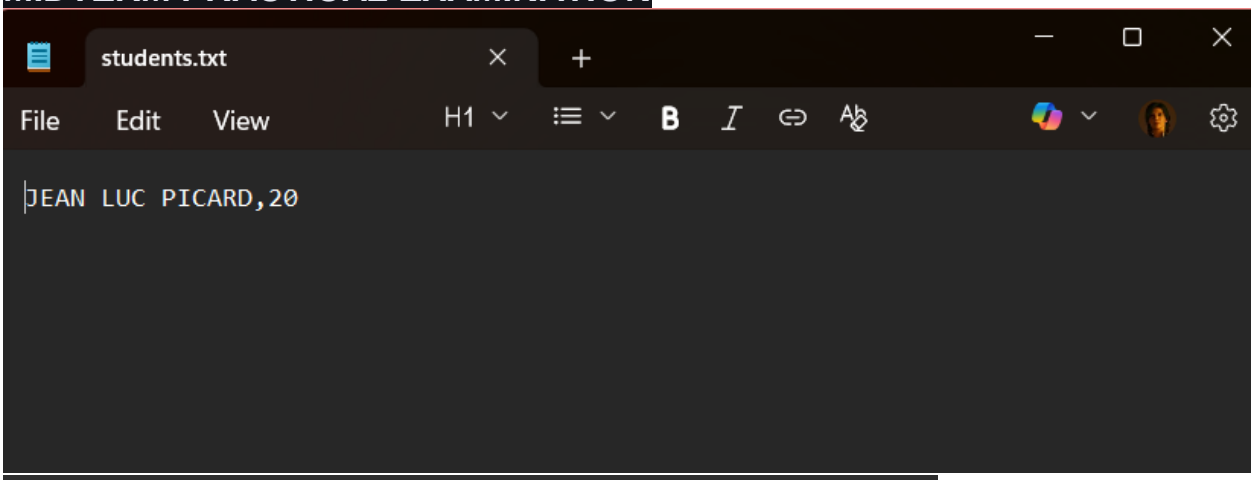
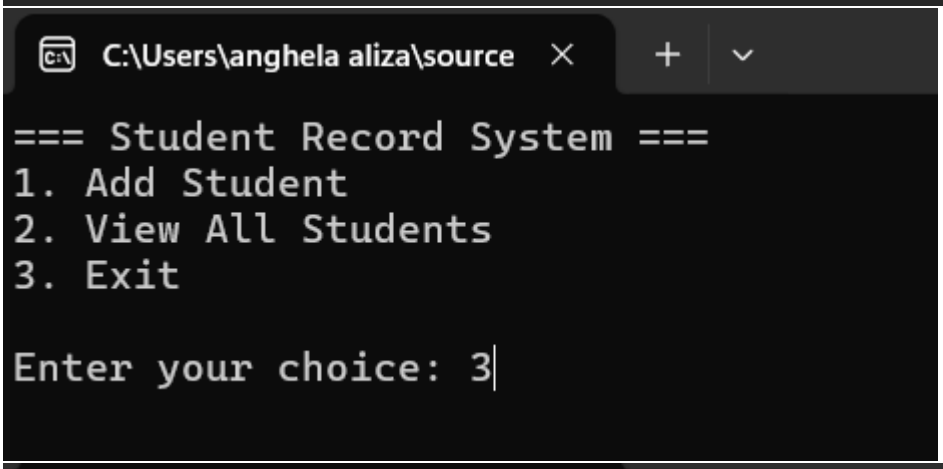
MIDTERM PRACTICAL EXAMINATION






```
=== Student Record System ===
1. Add Student
2. View All Students
3. Exit

Enter your choice: 3

Exiting program... Goodbye!

C:\Users\anghela aliza\source\repos\StudentRecor
 exited with code 0 (0x0).
To automatically close the console when debuggin
le when debugging stops.
Press any key to close this window . . .
```