

## MIDTERM PRACTICAL EXAMINATION

The screenshot shows a code editor with a dark theme. The title bar says "MIDTERM" and the tab bar says "MIDTERM.Program". The code is a C# program for a student record system.

```
1  using System;
2  using System.IO;
3  using System.Collections.Generic;
4
5  namespace MIDTERM
6  {
7      class Program
8      {
9          static string filePath = "students.txt";
10
11         static void Main()
12         {
13             while (true)
14             {
15                 Console.Clear();
16                 Console.WriteLine("== Student Record System ==");
17                 Console.WriteLine("1. Add Student");
18                 Console.WriteLine("2. View All Students");
19                 Console.WriteLine("3. Exit");
20                 Console.Write("\nEnter your choice: ");
21                 string choice = Console.ReadLine();
22
23                 switch (choice)
24                 {
25                     case "1":
26                         AddStudent();
27                         break;
28                     case "2":
29                         ViewStudents();
29                         break;
30                     case "3":
31                         Console.WriteLine("\nExiting program... Goodbye!");
32                         return;
33                     default:
34                         Console.WriteLine("\nInvalid choice. Please try again.");
35                         break;
36                 }
37
38                 Console.WriteLine("\nPress any key to return to menu...");
39                 Console.ReadKey();
40             }
41         }
42
43         // Add a new student
44         static void AddStudent()
45         {
46             Console.Clear();
47             Console.WriteLine("== Add Student ==");
48
49             Console.Write("Enter student name: ");
50             string name = Console.ReadLine();
51
52             if (string.IsNullOrWhiteSpace(name))
53             {
54                 Console.WriteLine("Error: Name cannot be empty.");
55                 return;
56             }
57
58             Console.Write("Enter student age: ");
59             string ageInput = Console.ReadLine();
60
61             if (!int.TryParse(ageInput, out int age) || age >= 30)
62             {
63                 Console.WriteLine("Error: Invalid age. Please enter a number LESS than 30.");
64                 return;
65             }
66
67             try
68             {
69                 using (StreamWriter writer = new StreamWriter(filePath, true))
70                 {
71                     writer.WriteLine($"{name},{age}");
72                 }
73                 Console.WriteLine("\nStudent record added successfully!");
74             }
75             catch
76             {
77                 Console.WriteLine("Error: Unable to write to file.");
78             }
79         }
80     }
}
```

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```
81
82
83     // View all students
84     static void ViewStudents()
85     {
86         Console.Clear();
87         Console.WriteLine("== All Student Records ==\n");
88
89         if (!File.Exists(filePath))
90         {
91             Console.WriteLine("No student records found.");
92             return;
93         }
94
95         List<string> students = new List<string>(File.ReadAllLines(filePath));
96
97         if (students.Count == 0)
98         {
99             Console.WriteLine("No student records found.");
100            return;
101        }
102
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 }
```

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### OUTPUT

```
C:\Users\anghela aliza\source + ▾  
==== Student Record System ====  
1. Add Student  
2. View All Students  
3. Exit  
  
Enter your choice: 1
```

```
==== Add Student ====  
Enter student name: JEAN LUC PICARD  
Enter student age: 20  
  
Student record added successfully!  
  
Press any key to return to menu...  
|
```

//IT WILL NOT ACCEPT AGE 30 AND UP

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BSIT 3-B

## 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|

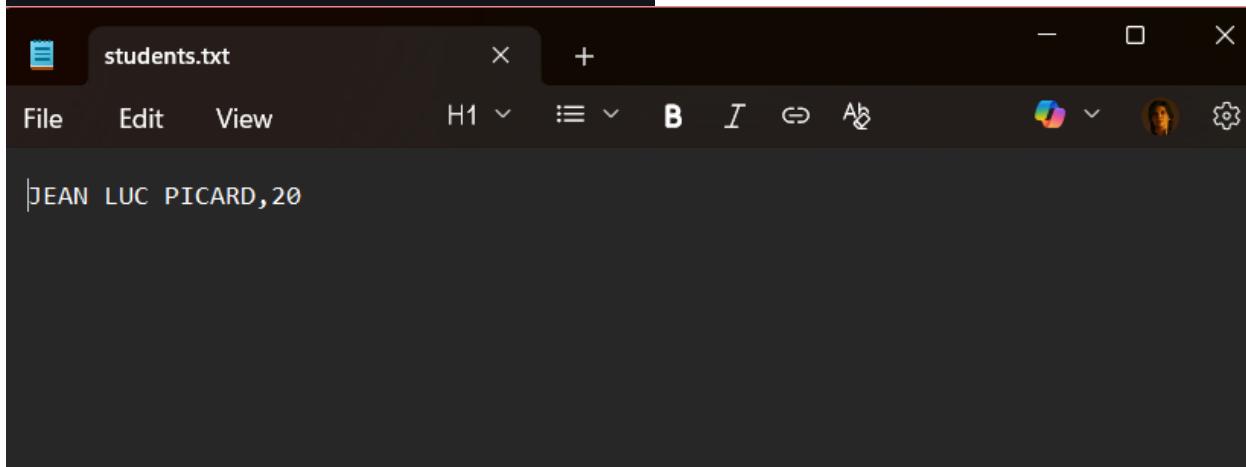
C:\Users\anghela aliza\source X + ▾

```
==== All Student Records ===
```

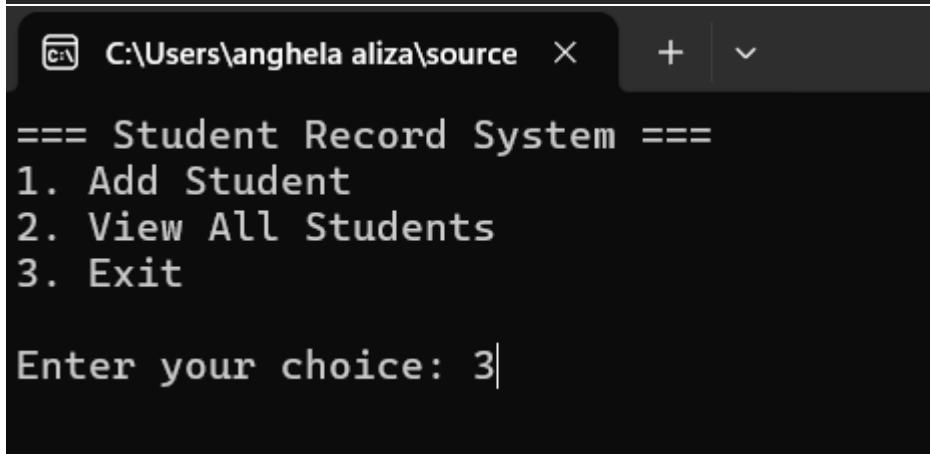
1. Name: JEAN LUC PICARD, Age: 20

Press any key to return to menu...

## MIDTERM PRACTICAL EXAMINATION

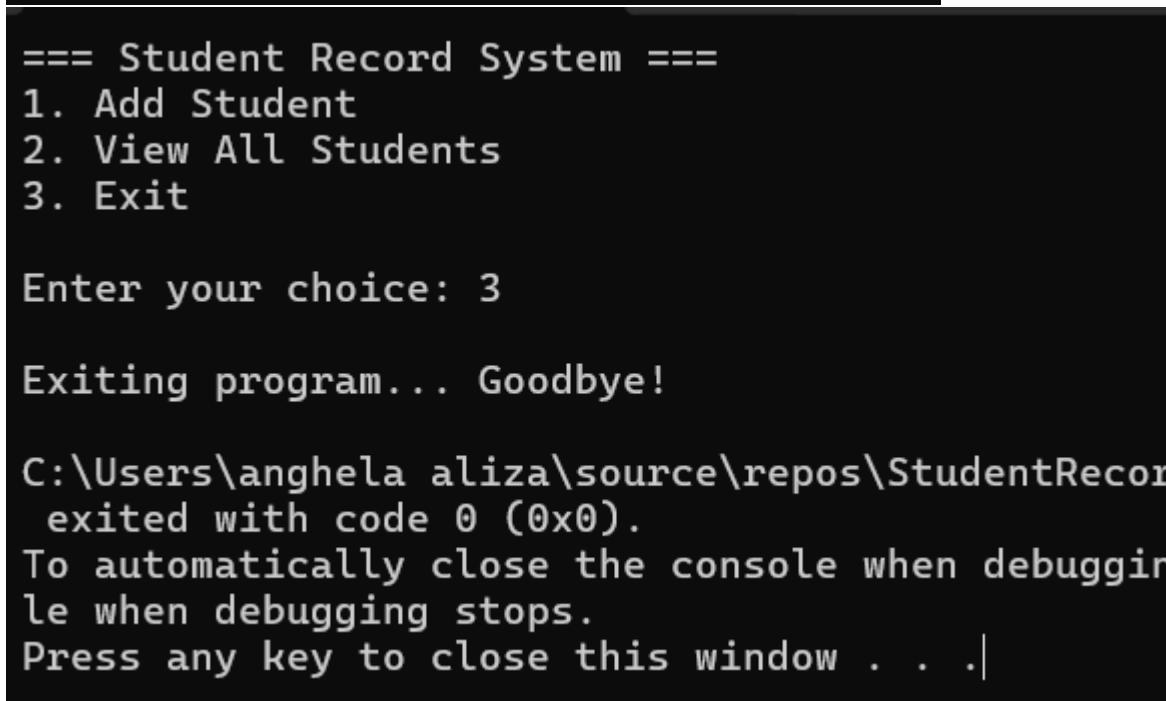


A screenshot of a Microsoft Word document window. The title bar says "students.txt". The document contains the text "JEAN LUC PICARD,20". The Word ribbon is visible at the top.



```
C:\Users\anghela aliza\source
==== Student Record System ====
1. Add Student
2. View All Students
3. Exit

Enter your choice: 3
```



```
==== 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 . . .|
```