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## **DEBUG PROJECT**

## **ASSIGNMENT 1**

```
Errors:
```

```
1) Value: {"Object reference not set to an instance of an object."}
```

Type: System.NullReferenceException

```
Resolution: Object should never be initialized as null. Given some instance.
```

```
StudentGrade grade = new StudentGrade (); // This is not null
```

```
2) Value: {"Object reference not set to an instance of an object."}
```

Type: System.NullReferenceException

**Resolution:** Object should never be initialized as null. Given some instance.

```
List<StudentGrade> gradeList = new List<StudentGrade> (); // This is not null
```

```
3) Value: {"Input string was not in a correct format."}
```

```
Type: System.FormatException
```

The value of maximum Points Possible for Rena is a string 'test'. It should have a numeric value of 100.

```
Resolution: Use of a try catch block
```

4) Value: {"Attempted to divide by zero."}

Type: System.DivideByZeroException

The value of maximum Points Possible for Adam is 0 which does not allow for calculation of average since division by 0 is not possible. It should have a numeric value of 100.

**Resolution:** Use of a try catch block

5) Value: {"Index was out of range. Must be non-negative and less than the size of the collection.\r\nParameter name: index"}

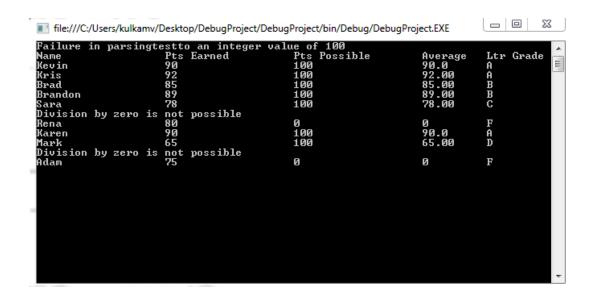
Type: System.ArgumentOutOfRangeException

**Resolution:** The equality <= is replaced by < to ensure that the range of index is maintained for the given conditions.

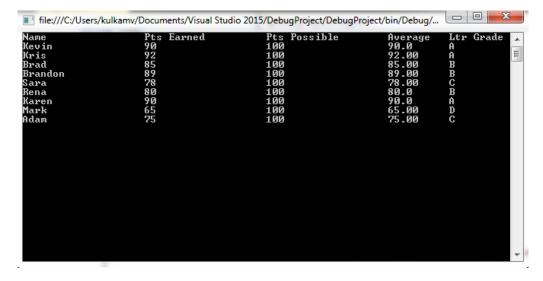
## Note:

Errors have been corrected and the project has been debugged.

However, when I run the project, the output is correct but is not displayed properly.



However, when I manually edit the text file for the exception errors handled by a try and catch block, Errors 3 and 4, the output display looks correct.



Please advise on the following.