

Retrieve Student Data from a Text File

The student text file (student.txt)

The text file is pre-populated with student records such that each attribute of a record is separated by a '|'. Each student record occupies a new line for easy readability.

Id1|name1|class1|section1

Id2|name2|class2|section2and so on.

Code

Reading the student file

The entire content of the student file is read using `File.ReadAllText()` and put into a string 'strdata'. `File.ReadAllText(@"D:\student.txt")` opens the student.txt file, reads and closes the file.

Splitting the student records.

The data in 'strdata' is split such that each student record is separated and stored in a different index of 'rowdata'.

`strdata.Split(new[] { "\r\n", "\r", "\n" }, StringSplitOptions.None)` splits based on the following logic, =>if there is a new line

=>if there is a carriage return

=>combination of carriage return and new line.

The result is `rowdata[0]` contains first student record, `rowdata[1]` contains second student record and so on.

Displaying the data

Foreach loop is used to traverse the `rowdata` array.

For each student record, each attribute(id,name,class,section) is split based on '|' using `string[] splitdata = sturecord.Split('|');`

`Splitdata[0]` contains student id

`Splitdata[1]` contains student name

`Splitdata[2]` contains student class

`Splitdata[3]` contains student section

The above details are then displayed on the console using `Console.WriteLine();`

GitHub link

[apeksha7777/practiseProject1 \(github.com\)](https://github.com/apeksha7777/practiseProject1)

