

< Object Oriented Programming - Assignments #5>

1. The CSV (or comma-separated values) format is commonly used for tabular data. Each table row is a line, with columns separated by commas. Items may be enclosed in quotation marks, and they must be if they contain commas or quotation marks. Quotation marks inside quoted fields are doubled. Here is a line with seven fields:

10/17/2020,24.08,24.15,24.03,24.09,"73700","average: "22.59"

Implement a class CSVReader that reads a CSV file, and provide methods

- void readFile(String fileName)
- int numberOfRows()
- int numberOfFields(int row)
- String field(int row, int column)

Implement a class CSVReader that includes a exception

- FileNotFoundException

[Score Criteria]

- Comments in javadoc format for all classes and methods [1pt]
- Implementing the readFile, numberOfRows, numberOfFields, field methods of CSVReader class [2pt]
- Implementing the FileNotFoundException exception that prints the message using the inherited getMessage method [1pt]
- Implementing the CSVReaderTester.java to test the CSVReader class [1pt]
- Providing the appropriate output results and documentation (submission with external report combining all the sourcecode) [1pt]
- Code accuracy with the various input cases [1pt]

[Example Prompt Result]
<Exception Not Occured>

Number of rows: 214
Expected: 214

Number of fields in one row: 7
Expected: 7

Row 10, Col 1: 3/12/2020
Expected: 3/12/2020

Row 10, Col 2: 24.87
Expected: 24.87

Row 10, Col 3: 24.95
Expected: 24.95

Row 10, Col 4: 24.87
Expected: 24.87

Row 10, Col 5: 24.95
Expected: 24.95

Row 10, Col 6: 217500
Expected: 217500

Row 10, Col 7: average: "22.64"
Expected: average: "22.64"

< CASE2: Exception Occurred "FileNotFoundException">

att2021.csv (지정된 파일을 찾을 수 없습니다)