

FileIOHelper and Question

- The *FileIOHelper* class provides two class methods:
 - `int FileIOHelper.getNumberOfQuestions(String fileName)`: takes a `String` parameter which is the name of an input file in the format described in the lab, and returns the number of questions in the file;
 - `Question FileIOHelper.getNextQuestion()`: takes no parameters, inputs the question, possible answers, and answer for the next question in the input file, and returns a *Question* object with the corresponding value.

FileIOHelper and Question cont.

- A *Question* object has a question (`String`), four possible answers (each a `String`), and a correct answer (an integer between 1 and 4). The *Question* class provides the following (instance) methods to manipulate *Question* objects:
 - `Question(String q, String o1, String o2, String o3, String o4, int a)`: returns a *Question* object with the given question and answers (constructor, not used in Lab 5)
 - `String q.getQuestion()`: returns the question in `q`
 - `String q.getOption(int i)`: returns the possible answer `i` (between 1 and 4) for `q`
 - `int q.getAnswer()`: returns the index of the correct answer (between 1 and 4) for `q`

FileIOHelper and Question cont.

```
int n = FileIOHelper.getNumberOfQuestions(fileName);  
System.out.println("Number of questions: " + n);
```

```
Question q = FileIOHelper.getNextQuestion();  
System.out.println("Question: " + q.getQuestion());
```

```
int correctAnswer = q.getAnswer();
```

```
System.out.println("The correct answer is: " +  
                    q.getOption(correctAnswer));
```