IT 179 Two-Dimensional Arrays

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[If necessary] Have you watched the video: Using Visual Studio Code with Java?

Yes

No



™ Text ABDELMOUNAAM190 to 37607 once to join

Have you watched the video: Two Dimensional Arrays in java

Yes

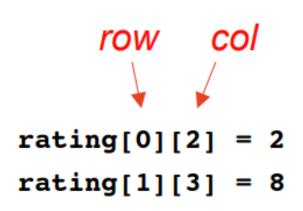
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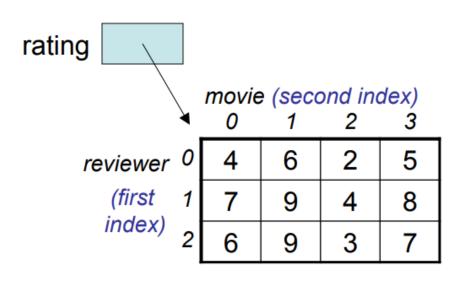


Two-Dimensional Arrays - Example

Movie ratings by multiple reviewers.

- Each row is a different reviewer
- Each column is a different movie





Review

```
int[][] numbers = new int[2][3];
```

Row Index

Column Index

	0	1	2
0	0	42	3
1	6	6	-33

Length of a 2D Arrays

```
int[][] rating = new int[3][7];
```

What is rating.length?

What is rating[0].length?

Example

Declare an array of characters to hold multiple choice answers for up to 10 questions for up to 5 students.

Let's Try This

```
char [] [] answers;
answers = new char [5] [10];
```

More Practice

Write a method that accepts three array parameters:

- the one we declared in the previous problem
- a char array
- □ an integer array.

The method should also accept the number of students, and the number of questions.

Using the character array as the key for the exam, score each student's exam and store the resulting score in the appropriate slot in the integer array. Each problem is worth 2 points.

Visual Studio Code

- VSC available to you:
 - □ vdi.it.ilstu.edu
 - ITLab-Pool

```
int SumRow(int i) {
}
int SumCol(int j) {
}
```