Brandon Bardwell

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Computer Science 2

Module 4 Assignment 1:

For this problem I used an online resource listed below to help me understand the way that scanners and arrays are used.

<http://soultionmanual.blogspot.com/2016/11/chapter-12-exercise-3-introduction-to.html>

My Code:

**import** java.util.Scanner;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

// creating an array with 100 random integers

**int**[] array = **new** **int**[100];

**for** (**int** i = 0; i < array.length; i++) {

array[i] = (**int**) (Math.*random*() \* 100);

}

Scanner input = **new** Scanner(System.***in***);

System.***out***.print("Enter an index: ");

**try** {

**int** index = input.nextInt();

System.***out***.println("array[" + index + "] = " + array[index]);

} **catch** (IndexOutOfBoundsException ex) {

System.***out***.println("INDEX " + ex.getLocalizedMessage() + " is out of bounds");

} **catch** (Exception ex) {

System.***out***.println("INVALID INPUT");

}

}

}

My Output:

Enter an index: 48

array[48] = 84