***GenerateRandomIntegerArray* Program**

The goal of this program is to generate a integer Array statement with correct syntax of the user's specification. The user is allow to enter the following data prior to the generation of the array:

1. The number of elements in the array

2. The lowest possible value in the array

3. The highest possible value in the array

The program will then create and fill an array , then output the array in the proper syntax so it could be copied and pasted into another java class.

Your main method should look like this:

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

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

 System.*out*.println("Enter the number of elements in the integer array:");

 **int** numElements = s.nextInt();

 System.*out*.println("Enter the lowest possible value");

 **int** low = s.nextInt();

 System.*out*.println("Enter the highest possible value");

 **int** high = s.nextInt();

 **int** [] intArray = **new** **int**[numElements];

 *createRandomArray*(intArray, low, high);

 *outputRandomArray*(intArray);

 }

This requires you to write the createRandomArray and outputRandomArray methods.

Sample output:

Enter the number of elements in the integer array:

20

Enter the lowest possible value

10

Enter the highest possible value

20

int [] nums = {11, 10, 14, 13, 16, 15, 10, 18, 13, 15, 13, 18, 10, 20, 16, 13, 11, 19, 13, 17};

Rubric

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| **Objective** | **Points Possible** | **Points Earned** |
| Does your program include the two methods and compile? | 2 |  |
| Does your program fill the intArray array with random values, completely? | 5 |  |
| Do the random values in your array stay within the range of (low to high)  | 5 |  |
| Does your output statement include all elements in the array? | 3 |  |
| Are you able to copy and paste the output of your program into another java class without error? | 5 |  |
| **Total** |  |  |