

```

/**
 * A class that represents a random array.
 *
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 * @version 1.0
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 * @date Apr 1, 2019
 * @version 1.3
 */
public class RandomArray {
    private int[] array; // instance variable

    /**
     * Constructor
     * @param size The size of the array.
     */
    public RandomArray(int size) {
        // write your code here
    }

    /**
     * A method to print the array elements.
     */
    public void printArray() {
        // write your code here
    }

    /**
     * A method to calculate the sum of all elements.
     * @return The sum.
     */
    public int calcSum() {
        // write your code here
    }

}

/**
 * A method to calculate the mean (or average) of all elements.
 * @return The mean.
 */
public double calcMean() {
    // write your code here
}

/**
 * A main method to test.
 */
public static void main(String[] args) {
    // Check to see if the user has actually sent a parameter to the method.
    if (args.length != 1) {
        System.out.println("Usage: java RandomArray <NUM>. Example: java RandomArray 5");
        System.exit(-1);
    }

    // Create an instance of the class.
    RandomArray test = new RandomArray(Integer.parseInt(args[0]));

    // Print the array.
    test.printArray();

    // Calculate the sum of all the values in the array and print it.
    System.out.println("Sum: " + test.calcSum());

    // Calculate the mean of all the values in the array and print it.
    System.out.println("Mean: " + test.calcMean());
}
}

```