More practice using Arrays

### For this exercise, you need to complete all the questions in a single project. You will invoke the methods from your main. You will also copy the problem specifications above each method.

1. Write a method with the following specifications:  
   **name**: **GenerateRandomArray**  
   **arguments**: an int representing the size of the array  
   **return value**: an int array  
   **displays**: nothing  
   **tasks**: creates a Random object, allocate enough storage for the array, using a suitable loop, assign a random number from 10 to 20 to each spot in the array  
   Call this method from your main.
2. Write a method with the following specifications:  
   **name**: **DisplayIntArray**  
   **arguments**: an int array  
   **return value**: none  
   **tasks**: displays all the items in the array on a single line separated by a space  
   In your main, figure out how to display the output of the previous method
3. Write a method with the following specifications:  
   **name**: **AverageIntArray**  
   **arguments**: an int array  
   **return value**: double representing the arithmetic average of all the elements   
   **displays**: nothing   
   **tasks**: sums all the items and then divide by the size and return this value  
   In your main write the code that will exercise this method.
4. Write a method with the following specifications:  
   **name**: **AssignBonus**  
   **arguments**: int representing the bonus and an int array representing the marks   
   **return value**: nothing  
   **displays**: nothing   
   **tasks**: adds the bonus to each element of the array.  
   In your main you will call this method and then display the items afterwards. You should see each item increased by the amount specified by your bonus.