In-class Practice - FillAndSortArray

Create class **FillAndSortArray**

FillAndSortArray should (all in main):

- Prompt the user to enter the number of elements desired in array
- Create a Random object: **Random random = new Random(1234);**
- Create an array of doubles of the desired size
- Fill array with random numbers from [0,100) - zero to 99.9999999999... using **random.nextDouble();**
- Sort the array by calling **Arrays.sort(arrayName)**
- Print out array elements, one per line, using either **println()**, or **printf()** with a "**%s**" format specifier.

Example (input in **green**):

```
How many elements in array? 12
1.5899959834469013
6.977557886640151
20.387478195313157
33.59524025416939
34.690742873967686
40.653672039922654
45.823330506267055
61.731407199730306
64.65821602909256
85.75884598068335
94.68595742485053
95.13577109193919
```

```
MYPROMPT>java -jar AutoGrade.jar FillAndSortArray
Compilation is successful
Array is correct length (12)

Input:

Right Answer:
"1.5899959834469013
6.977557886640151
20.387478195313157
33.59524025416939
34.690742873967686
40.653672039922654
45.823330506267055
61.731407199730306
64.65821602909256
85.75884598068335
94.68595742485053
95.13577109193919"
Your Answer:
"1.5899959834469013
6.977557886640151
20.387478195313157
33.59524025416939
34.690742873967686
40.653672039922654
45.823330506267055
61.731407199730306
64.65821602909256
85.75884598068335
94.68595742485053
95.13577109193919"

Score:   100%
```

After you feel your program is correct, further test your program, by obtaining **AutoGrade.jar** from this assignment. Put it and a copy of your **FillAndSortArray.java** in the same directory. Then run it as shown in the example.

When your program works correctly, submit it.