

# Assignment 11

February 12, 2015

# Create two void methods

- Complete the following code by writing the smallest method and the average method. (Please look at the next page.)
- smallest method
  1. The method, named `smallest`, has three `int` parameters `i`, `j`, and `k`.
  2. The method displays the smallest number of them.
- average method
  1. The method, named `average`, has three `double` parameters `i`, `j`, and `k`.
  2. The method displays the average of them.

# Overloading

- Complete the following code by writing the function methods.  
(Please look at the next page.)
  1. The method, named `function`, has two `int` parameters, `num1`, `num2`, the `maximum` of which is `returned` by the method.
  2. The method, named `function`, has two `double` parameters, `num1`, `num2`, the `average` of which is `returned` by the method.
  3. The method, named `function`, has three `int` parameters, `num1`, `num2`, and `num3`, the `minimum` of which is `returned` by the method.
  4. The method, named `function`, has four `int` parameters, `num1`, `num2`, `num3`, and `num4`, the `average` of which is `returned` by the method.

# Sample Code

```
package testmethod;
```

```
public class TestMethod {
```

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

```
        int num1 = 10;  
        int num2 = 10;  
        int num3 = 15;
```

```
        smallest(num1,num2,num3);
```

```
        double num4 = 10.5;  
        double num5 = 10.5;  
        double num6 = 15.1;
```

```
        average(num4,num5,num6);
```

```
        System.out.println("The maximum of 3 and 8 is " + function(3, 8));  
        System.out.println("The average of 3.0 and 8.0 is " + function(3.0, 8.0));  
        System.out.println("The minimum of 3, 8, and 10 is " + function(3, 8, 10));  
        System.out.println("The average of 3, 8, 10 and 12 is " + function(3, 8, 10, 12));
```

```
    }
```

```
// create smallest method and average method here.
```

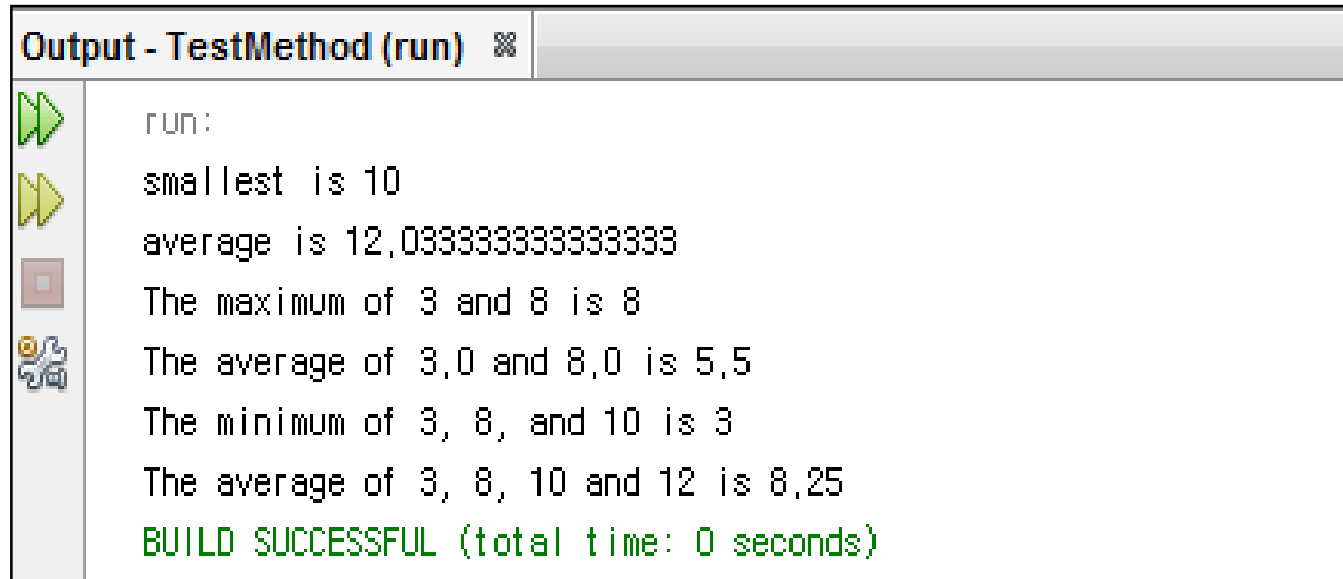
```
}
```

When your assignment is graded, the value of the variables will be changed.

To use the above code, Java project name should be TestMethod.

# Sample Output

- Sample Output








The screenshot shows an IDE output window with the title "Output - TestMethod (run)". On the left side of the window, there is a vertical toolbar containing four icons: a green double arrow pointing right, a yellow double arrow pointing right, a red square, and a blue icon representing a group of people. The main area of the window displays the following text:

```
run:
smallest is 10
average is 12,033333333333333
The maximum of 3 and 8 is 8
The average of 3,0 and 8,0 is 5,5
The minimum of 3, 8, and 10 is 3
The average of 3, 8, 10 and 12 is 8,25
BUILD SUCCESSFUL (total time: 0 seconds)
```

# Submission

1. Double-check whether there is no compile error.
2. Compress(zip) the folder which includes your code(project) and submit the compressed file.
3. The submitted file name should be **yourfirstnamelastnamedate1.zip**
4. Before submitting your assignment, double-check whether your compressed file includes the following folders and files instead of the only \*.java file.

Name	Date modified	Type	Size
 build	2/6/2015 11:23 AM	File folder	
 nbproject	2/6/2015 11:11 AM	File folder	
 src	2/6/2015 11:11 AM	File folder	
 build	2/6/2015 11:11 AM	XML Document	4 KB
 manifest.mf	2/6/2015 11:11 AM	MF File	1 KB