

Question 1

Write an algorithm in pseudo-code, which will ask the user to enter the name and 6 numbers, and then find out the bigger number entered. Calculate and print out the average.

Question 2

Write, test, and debug the Java program based on the algorithm from Q1. Use string for your name, and appropriate data types for the numbers that will better represent the entered data.

Example of the output:

Enter your name :

FirstName Enter the number 1 : 12

Enter the number 2 : 3.5

Enter the number 3 : 1.6

Enter the number 4 : 4.4

Enter the number 5 : 1.5

Enter the number 6 : 1

The bigger number FIRSTNAME entered is : 12 and the average is : 4

Question 3

Rewrite the algorithm (pseudo-code) from Q1, but this time without knowing in advance how many numbers the user wants to proceed. If the user enter 0, stop asking for a number, and display the maximum and the minimum of entered numbers, then the average.

Question 4

You already have the calculator code from the class. It is implemented just for integer type. Use concept of method overloading to implement that for float values.

Question 5: Predict the output of the following codes:

```
class Test {  
    public static void main(String args[]) {  
        System.out.println(10 + 20 + "GeeksQuiz");  
        System.out.println("GeeksQuiz" + 10 + 20);  
    }  
}
```