

**ENGINEER 1D04**  
**Engineering Computation**  
**McMaster University, Winter 2010**

**Lab 9 Marked Assignment 4 Solution**  
**Thursday Lab**

Revised: 19 March 2010

**Correctness**

Using the test file `L9TestFile.txt`, the `Read Input File` should display the contents of the file in a message as

```
5.6
3.56
1.12
-.56
.56
-2.3
-12.9
12.0
16.8
-21.8
-21.8
0.0
0.0
2.56
8.98
11.8
-6.78
-5.5
-14.5
5.6
3.56
-.4
```

and the `Calculate` button should display 38.6 in the output label box.

**Design Question**

There should be a constant named something like `MAX_SIZE` that is set to 1000 and the size of the array `data_array` should be `MAX_SIZE`.

### Testing Question

No, the `calculate` method could be correct, but the program fails because the file is not correctly read into the array `data_array`.