



Faculty of Engineering, Architecture and Science
Department of Electrical and Computer Engineering

Course Number	891
Course Title	Software Testing and Quality Assurance
Semester/Year	W2023

Instructor	Dr. Reza Samavi
------------	-----------------

Lab No.	1
----------------	----------

Lab Title	Introduction to JUnit
-----------	-----------------------

Submission Date	January 23rd, 2023
Due Date	January 23rd, 2023

Student Name	Student ID	Signature*
Abdulrehman Khan	500968727	A.K.

**By signing above you attest that you have contributed to this written lab report and confirm that all work you have contributed to this lab report is your own work.*

Q3:

```
package main;

public class Calculation {

    public static int findMax(int arr[]){
        /*if we left it as int max = 0 then it would simply compare 0 always to the arr[] and not
        * the array and compare each index value to determine the actual max*/
        int max = arr[0];

        for (int i=1; i < arr.length; i++){
            if (max < arr[i])
                max=arr[i];
        }

        return max;}

    public static int cube(int n){
        return n*n*n;
    }
}
```

Explanation: The test fails because if we set `int max = 0` then it would simply compare 0 always to the `arr[]` and not traverse through the array indexes and actually compare each index value to the actual max as the desired program should be.