DELIVERABLE 3
Software Engineering Process - SOEN - 6011

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Contents

0.1 Problem 7: Test cases

The test cases under review are for the function F(5): $\Gamma(x)$.

Environment setup:

1. I have imported the whole project into my eclipse to test the code.
2. I have changed the Junit version to the same as the one the developer used in order to avoid any migration or portability issues.
3. I have spent decent amount of time in order to gain knowledge about the function in order to understand the developers intentions behind the source code and test cases.
4. I have traced back the test cases to the actual code to understand and check if the test cases reflects the same functionality as the source code.
5. I have used the same check style pattern used by the developer to identify if the code follows coding style standards.

Results:

1. Test case covers all the possible cases such as low positive, low negative, high positive, high negative, zero and for wrong input values.
2. Test cases follow Google check style and hence properly indented.
3. All the test cases gets successfully executed without any failures.
4. Test cases method names are properly defined reflecting the functionality of the test cases definition.

Scope to improve:

1. Java docs are missing for test cases. Incorporating java docs helps in understanding the purpose of the test cases. Hence it is recommended to use java doc.

0.2 Distributed Control System:

GitHub has been used to keep track of all the software development process. In order to refer to the documentation or source code please refer to the GitHub URL

1. **Work space Name:**
   $https://github.com/Himalayayadav444/SOEN\_6011\_SEP\_SINH-X-$

2. **Work Station Name:**
   himalayayadav444

0.3 References:

1. https://smartbear.com/learn/code-review/best-practices-for-peer-code-review/

2. https://checkstyle.sourceforge.io/google_style.html