

Software Engineering Lab

Week 6 Task 6.1: Coding Standard and Documentation Tool

Overview

Understanding and demonstrating the usage of coding standard and documentation tool. Apply coding standard and documentation tool for the following six (6) Math classes each having:

- **Constructor function** – to create a new object by initializing the attributes/data members of the class
- **Specific mathematical functions** such as addition / subtraction / multiplication / division / prime number checking/finding max value among three numbers.
- Each class should have one mathematical function. Except “*prime number checking*” functionality, other functions should be overloaded with different type of parameters.
- Each team member should write one class using the **coding standard that is selected** for the project work. Finally, the team should **execute** the documentation tool to **generate the documentation** of the source code.

Purpose: To familiar with coding standard and documentation tool.

Tasks: As a team, create a package consisting of 6 math classes.

Time: This task should be starting in your lab class and demonstrated via classroom when done.

Resources: Your course teacher(s), your team members, documentation tool and the lab class.

Feedback: Your teacher(s) will give you feedback on the document your team creates and your activity. Your individual contribution evidence will be documented and submitted to classroom.

Task 6.1 Submission Details and Assessment Criteria

You should create a personal (unique) document with an image of your individual contribution to the work. The report should include the source code that you wrote and the image of the generated documentation of your code segment. You should mention and explain the coding standard that you applied in your code segment.