Daoud Sogoba

CS-405: Secure Coding

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My primary goal for this assignment was to modify the provided code so that the test results would meet the following parameters. One, detect overflow/underflow. Two, prevent them from happening. Three, return the correct value when neither has happened. I also had to ensure that this solution worked for all data types provided in the testing methods. In the case of the overflow testing, I worked specifically on the add\_numbers method. It was set up so that the test would pass so long as the increment was less than or equal to the max value of the data type. Thus, detecting and preventing any possibility of overflow. In the case if the subtract numbers method the same methodology was applied to great success.

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