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CS405

**Assignment 1-3: Numeric Overflow Activity Summary**

**Screenshots of console with program running:**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**A computer screen shot of a black screen

Description automatically generated**

**A computer screen shot of a black screen

Description automatically generated**

**Numeric Overflow assignment summary:**

When I created the project in Visual Studio, I ran the program code as what was given in the rubric to see what would be displayed. There was no output to the user or me in this case that an overflow or underflow had occurred. In the code I added two different if statements to correct this. One to detect when an overflow happened and one to detect when and underflow happened. Both added if statements also contained an output to the user to let them know if either an overflow or underflow happened. The added code can be seen in the add\_numbers() and subtract\_numbers() functions. For this assignment, it was important to use the correct libraries to help us identify when the data type limits have been exceeded. One such library used for this was std::numeric\_limits. In the provided screenshot we can see when an overflow or underflow occurred the user was notified. It was also important to ensure that the code the was added had clear and concise comments for future reference.