CS524 – Mini Project

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Topic – Simple Calculator

Problem – We will make a Simple Calculator using C++ and STL. It will have the following features:

- Basic Arithmetic Operations(+ , - , * , /) , Square root , Percentage
- Throw errors like – math errors or syntax errors for wrong input.
- Display a history of all calculations and clear memory (with specific codes).

Input Specifications – Input can be entered as numbers and operations alternatively (with right syntax) on each new line or space separated. Then we can ask to print recent history or clear recent memory of calculations performed. Then the execution ends (using a code).

Output Specifications – It will output the result of calculations as given.

Input – 18

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2

*

5

/

3

print history

end

Output – 26.6666667

18 – 2 = 16

16 * 5 = 80

80 / 3 = 26.6666667

Input –   50 – 3 * 9 + 7

end

Output – 430