Lab Task 01- Debugging

The objective of this lab is to have a clear understanding on how to debug your code in Eclipse. You need to perform the following to complete the task.

1. Download Exercise.cpp file from Slate. (OOP/Resources/LabTask1)

2. Now open eclipse and create a new C++ project.

3. Name your project as DebugExercise.

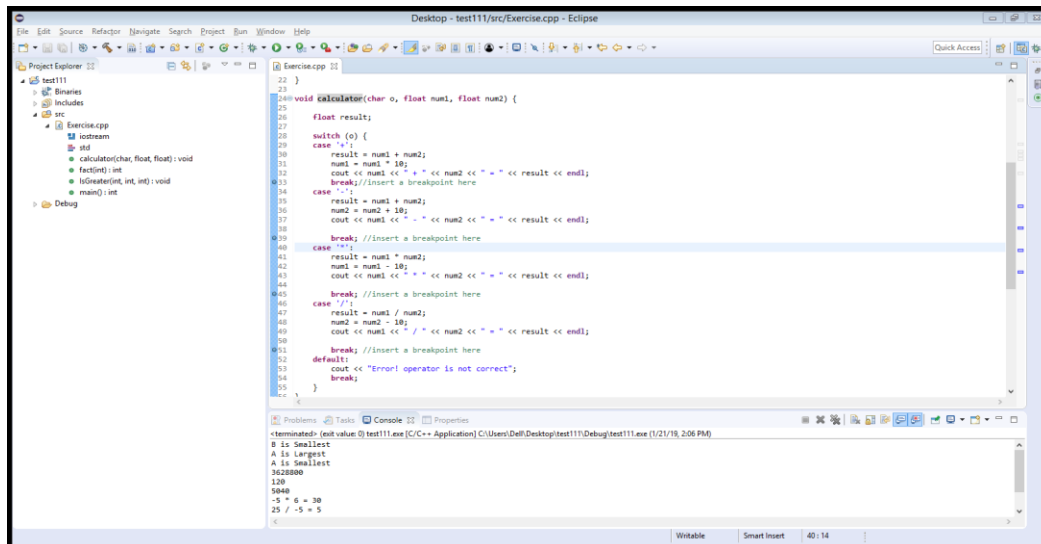4. Copy code from Exercise.cpp file and paste it in your new project file.

    There are three functions in Exercise.cpp file.
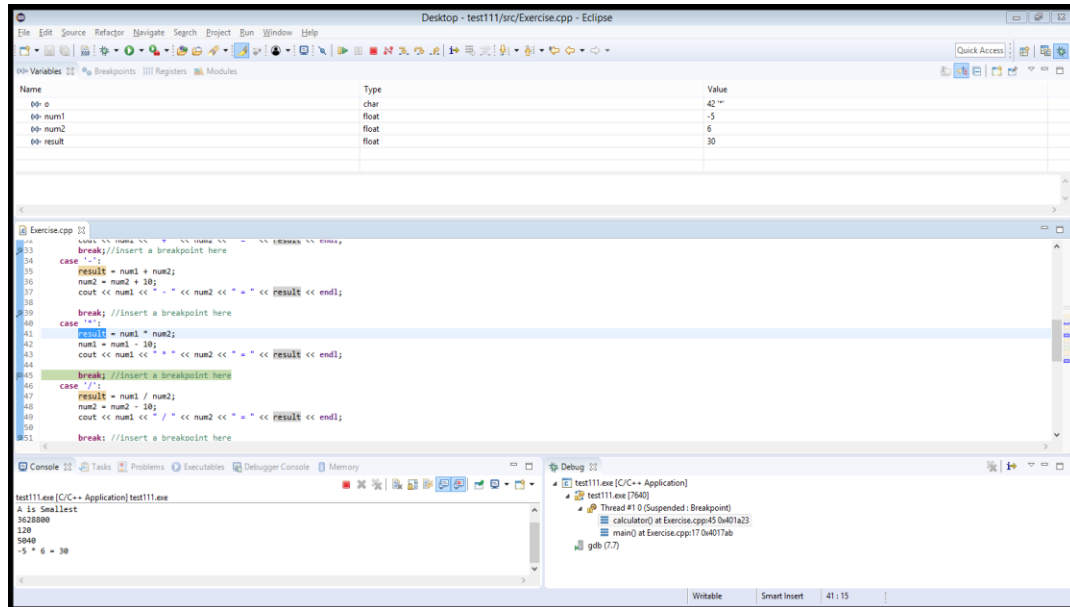
    IsGreater(int, int, int);

    fact(int);

    calculator(char, float, float);

5. Now add breakpoints in the code at mentioned lines.

6. For example in the following figure, a code snippet of function calculator() is shown, in which breakpoints are inserted at line 33,39,45 and 51.

7. After adding breakpoints, start debugging the project by clicking on Debug Icon in the Quick Access toolbar.

8. Use step in and step out to check the value of each declared variable inside all functions. For example in the following figure, the debugger stops at breakpoint inserted at line 45, and the values of all variables are shown in variable window.

9. For each function, at all given breakpoints, you need to report the values of each local variable declared.

Submission Instructions

- Write your name, roll number and section on a paper and for each function call, and state the values of all variables that are declared inside function.