

Program 1:

Write a program that uses both static and a kind of dynamic scoping, and clearly show the difference in effect of the two. Explain clearly the differences between the static and the dynamic scoping.

Program 2:

Write test programs in C++ and Java to determine the scope of a variable declared in a **for** statement. Specifically, the code must determine whether such a variable is visible after the body of the for statement.

## Instructions:

1. Submit the source file for both programs on blackboard.
2. Submit a screen shot of the result in a word document.
3. Using comments to show your name, the purpose of the program, and the date in the source code.
4. Students can work as pair; individual lab has to be submitted by each student.