

Answer on Question#39951- Programming, C#

1. The execution goes back to the caller by default, when the last statement in a method is reached.? Assuming that no return statement is used, do you agree with the preceding statement? Specify the reason for your answer.

Solution.

Methods can return a value to the caller. If the return type, the type listed before the method name, is not **void**, the method can return the value by using the **return** keyword. A statement with the **return** keyword followed by a value that matches the return type will return that value to the method caller. The **return** keyword also stops the execution of the method. If the return type is **void**, a return statement without a value is still useful to stop the execution of the method. **Without the return keyword, the method will stop executing when it reaches the end of the code block.** Methods with a non-void return type are required to use the **return** keyword to return a value.