**Debugging in C++:**

**Steps to Remember:**

**Consider the following Code as an example**

The following coding example illustrates how does a debugger executes the code, steps into which method’s body, how does it steps out and when does it step over a function.

int a =5; int b=6; int c =3;

if( a> b && a < c){

cout << “A is the greatest of all three integers “<< a << endl;

}

else if (b> a && b > c){

cout << “B is the greatest of all three integers “<< b << endl;

}

else {

cout << “C is the greatest of all three integers << c << endl;

}

return 0;

}

The below task is to understand the Watching and Debugging the code segments.

**Task # 3**

The problem is to get a positive integer from the keyboard and find all its factors by division method. After completing all factor also produce the sum of all the factors. The program should stop when a user entered -1 as input.

Creating a watch for the iteration on factor and sum to find whether the process is correct or not.

**Task # 4**

This task is to understand the Watching and Debugging of functions and their effects.

Write the task # 3 code as function to return factors and sum. See effectively how step into a function and step out of a function works.