**Debugging in Dev C++:**

To use Dev C++ IDE for debugging follow the steps below:

**Step#01: Write down the code and compile it.**

//Write a program to find the greatest of 3 integers.

#include <iostream>

using namespace std;

int main(){

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;

}

**Step#02: Enable the debugger** using (**Tool> Compiler Options> Check (mark) both options and add –g** in the first field).

**Step#03:** **Setting a break point**: Click on the left side of each statement you want to set a breakpoint. Once you set the break point it will appear as a red circle on the left of statement.

**Step#04**: **Start the debugger**: Start the debugging operation using the debug button shown in the bottom left pane of your IDE or press **F5.**

**Step#05**: **To move on to next line, click the next line button**.This will be indicated through a **blue arrow** on the left of statement. Once you reach the **“if condition”,** you may now step into it by clicking on the next line. You will see that the debugger will skip the **cout statement** of “**if condition”** as it holds false for statement and will directly jump to next condition i.e. else if. If the condition holds true, it will jump into the condition’s body or else skip it. The same will be followed throughout the execution of program. **Note:** If you click **continue**, it will keep on going on to the next line as if there are no breakpoints. **Into function** is used to go into the definition of functions (in case you have implemented some functions in your code, in our case it is **main() function**.

**Step#06:** **Checking the states of variable during execution**. You can hover over the variable or right click the variable to get its intermediate value’s idea.

**Step#07: Adding a Watch on Variables.** To add a watch you may right click the variable, and choose add watch option shown in the options popup. Once the watch is set, you will see the value of variable in the top left pane of your ide as it changes /progresses in your program execution.

**Step#08: Stop Debugger.** Click **SHIFT + F5**.