# Tutorial 2 – Function (20 Minutes)

Write C++ program that calculate the Euclidean distance between the two points given by the below formula, the user should accept variables declared as either int, double etc, and display the distance between the point 1 and 2 by calling the function name (distance) as shown in the below figure. All the local parameters should be declared properly and function prototype.

$$d((x,y),(a,b)) = \sqrt{(x-a)^2 + (y-b)^2}$$ ............................(1)

```
Calculate the euclidean distance between two points

Enter the value of x1: 8
Enter the value of x2: 4
Enter the value of y1: 5
Enter the value of y2: 2
The distance between point 1 and point 2 is 5
Process returned 0 (0x0)   execution time : 11.839 s
Press any key to continue.
```