UNIVERSITY OF ENGINEERING AND TECHNOLOGY,TAXILA

SOFTWARE ENGINEERING

LAB 5 SOLUTION

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REG NO : 20-SE-56

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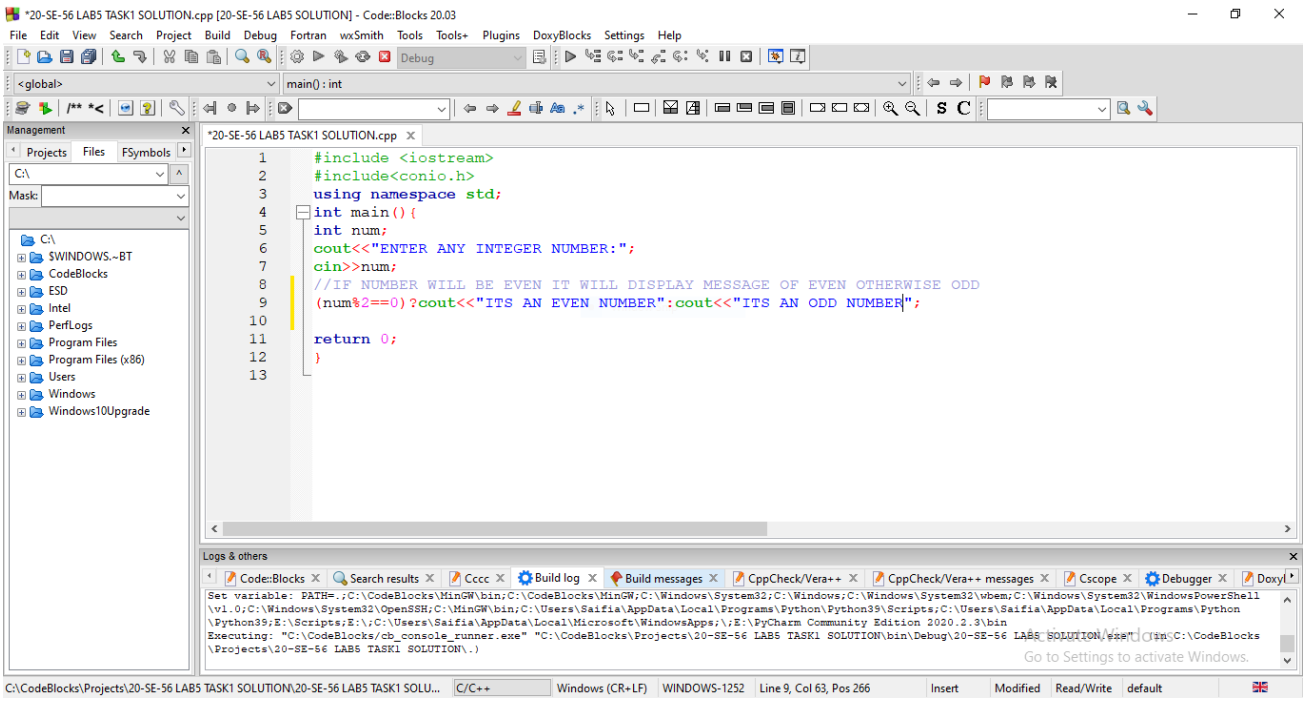
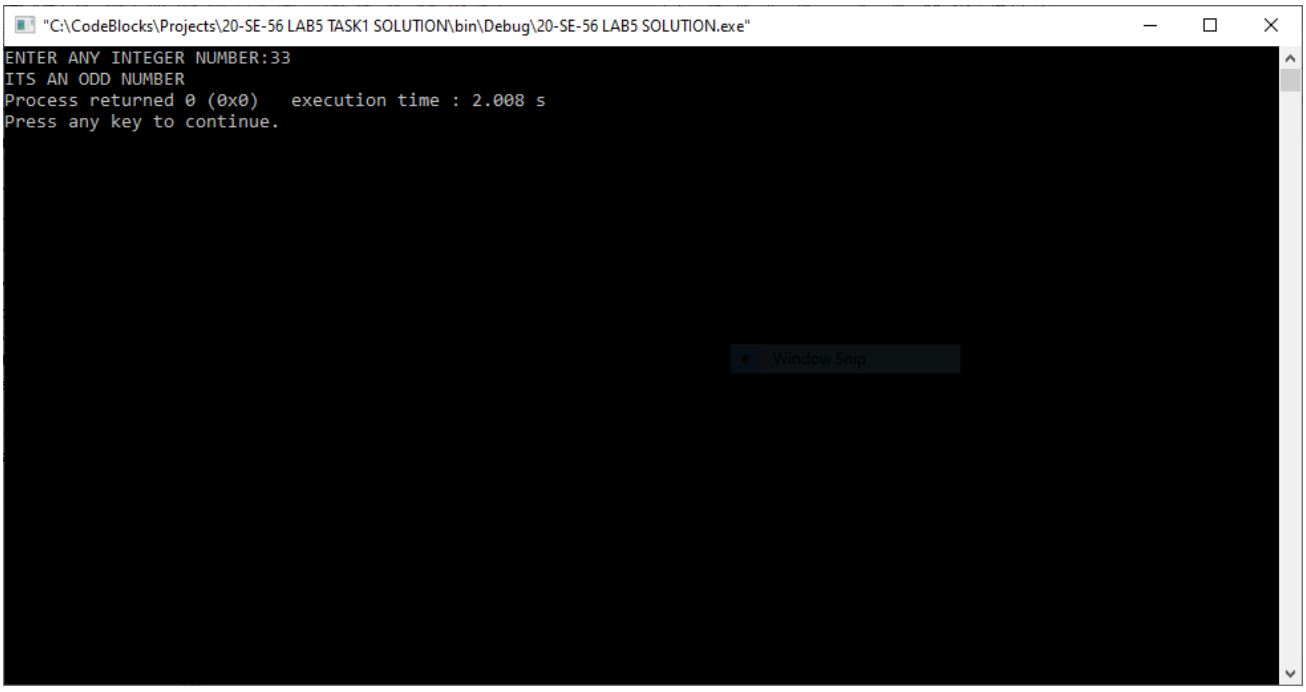
TASK-1

Write a C++ program that Implement **Ternary Operator** by inputting and integer number form user and checks if entered integer is an even number then display the message as “it’s an even number” to user otherwise it will display “it’s an odd number” message on screen.

SOLUTION



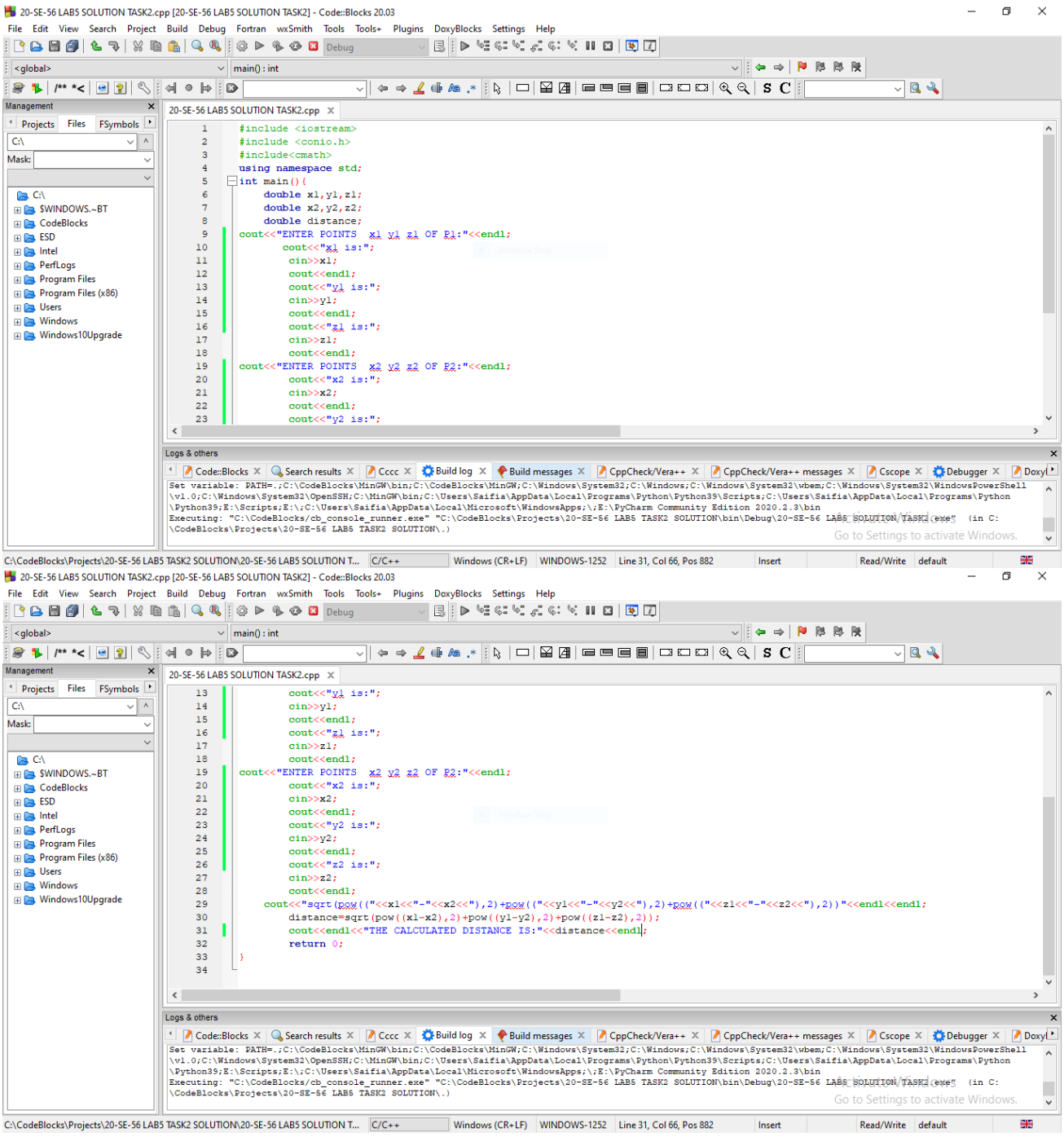


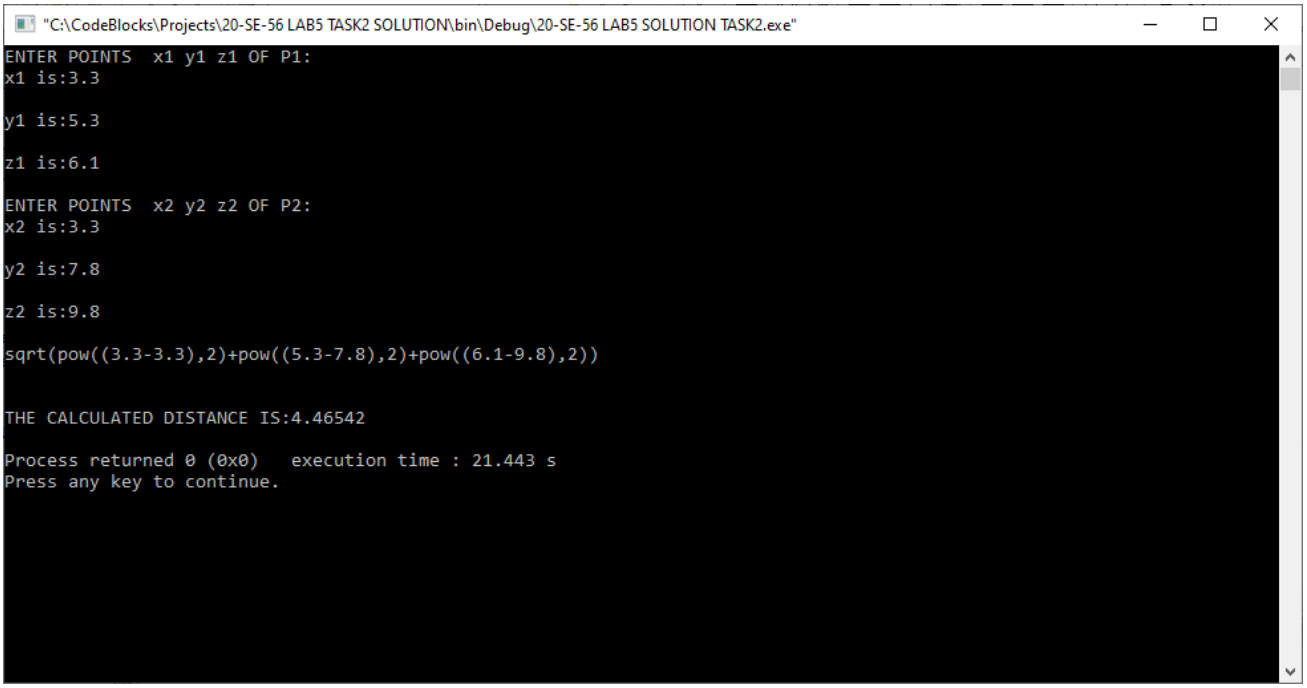
TASK-2

Write a C++ program that Implement **distance formula** on two double type points **p1** and **p2** after in **3D** pace getting input from user. Display the Distance Formula along with the Final answer.

Hint: **P1 = (x1,y1,z1) and P2 = (x2,y2,z2)**.

SOLUTION




"C:\CodeBlocks\Projects\20-SE-56 LAB5 TASK2 SOLUTION\bin\Debug\20-SE-56 LAB5 SOLUTION TASK2.exe"
ENTER POINTS x1 y1 z1 OF P1:
x1 is:3.3
y1 is:5.3
z1 is:6.1
ENTER POINTS x2 y2 z2 OF P2:
x2 is:3.3
y2 is:7.8
z2 is:9.8
sqrt(pow((3.3-3.3),2)+pow((5.3-7.8),2)+pow((6.1-9.8),2))
THE CALCULATED DISTANCE IS:4.46542
Process returned 0 (0x0)   execution time : 21.443 s
Press any key to continue.