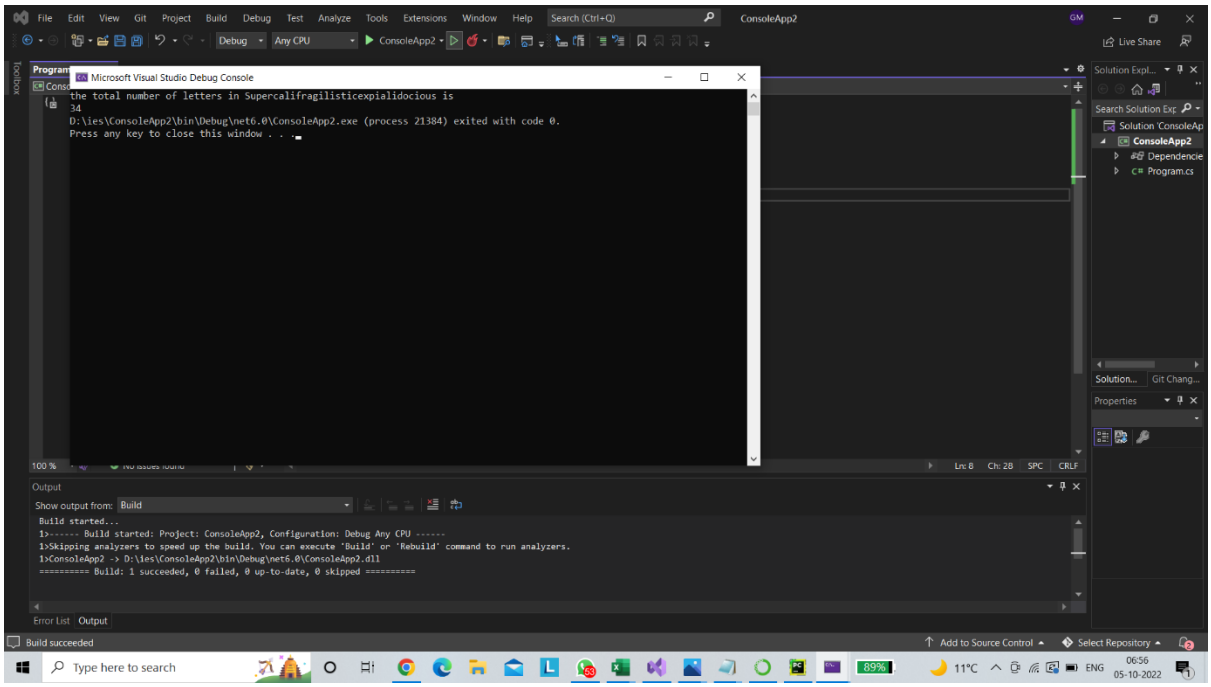
C# Program Output Screenshots

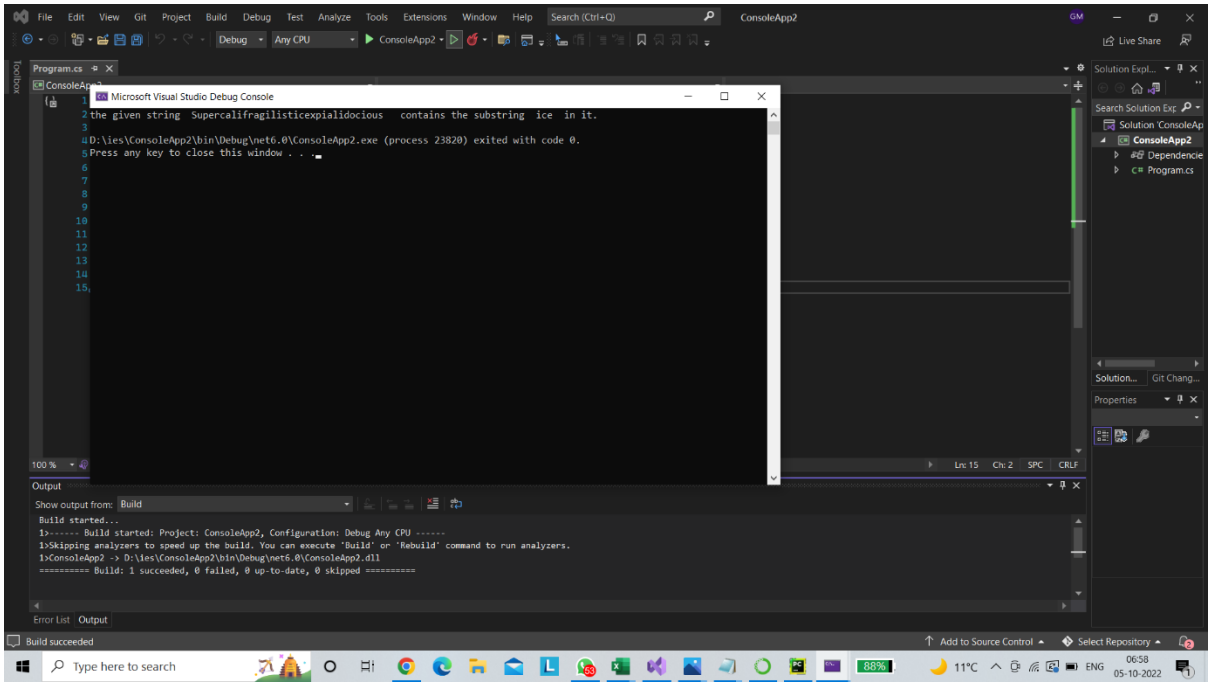
Question 2 C#

Write (and evaluate) C# expressions that answer these questions:

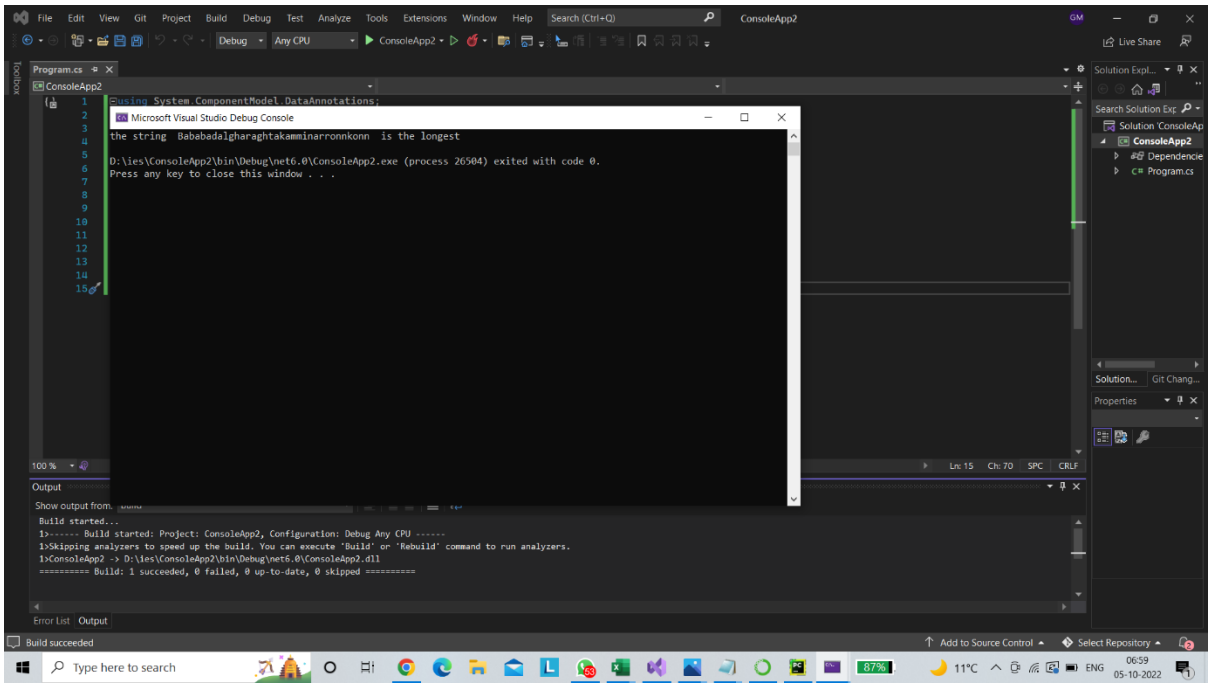
a. How many letters are there in 'Supercalifragilisticexpialidocious'?



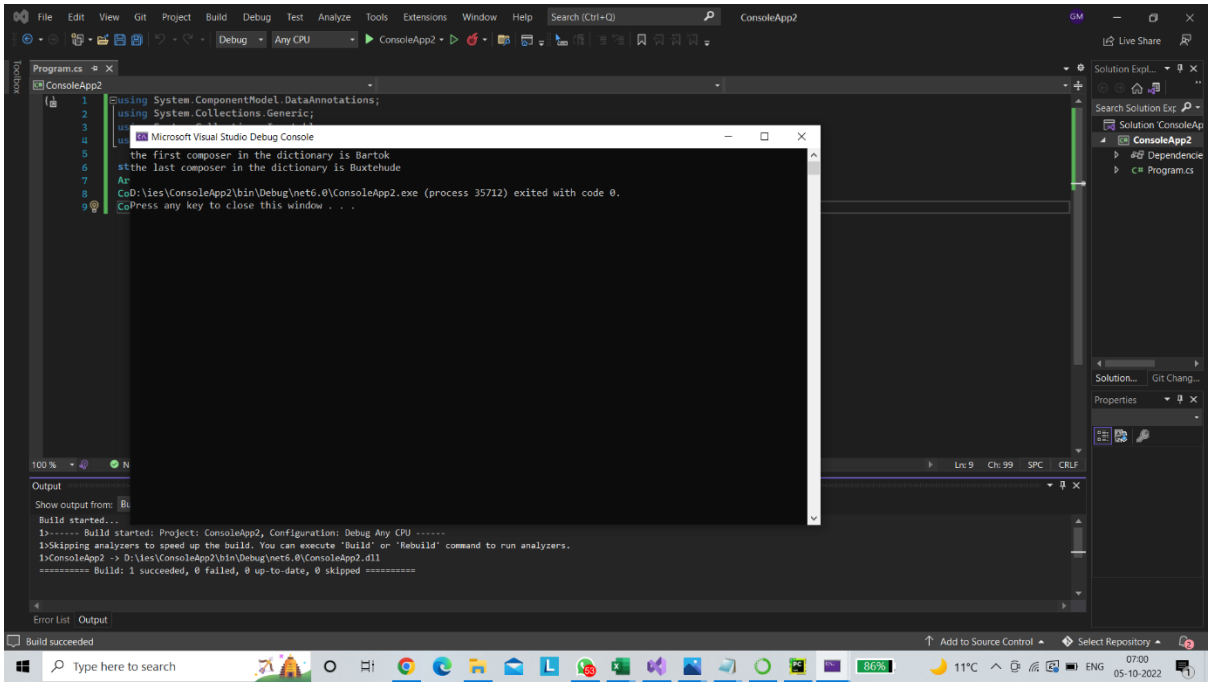
b. Does 'Supercalifragilisticexpialidocious' contain 'ice' as a substring?



c. Which of the following words is the longest: Supercalifragilisticexpialidocious, Honorificabilitudinitatibus, or Bababadalgharaghtakamminarronnkonn?

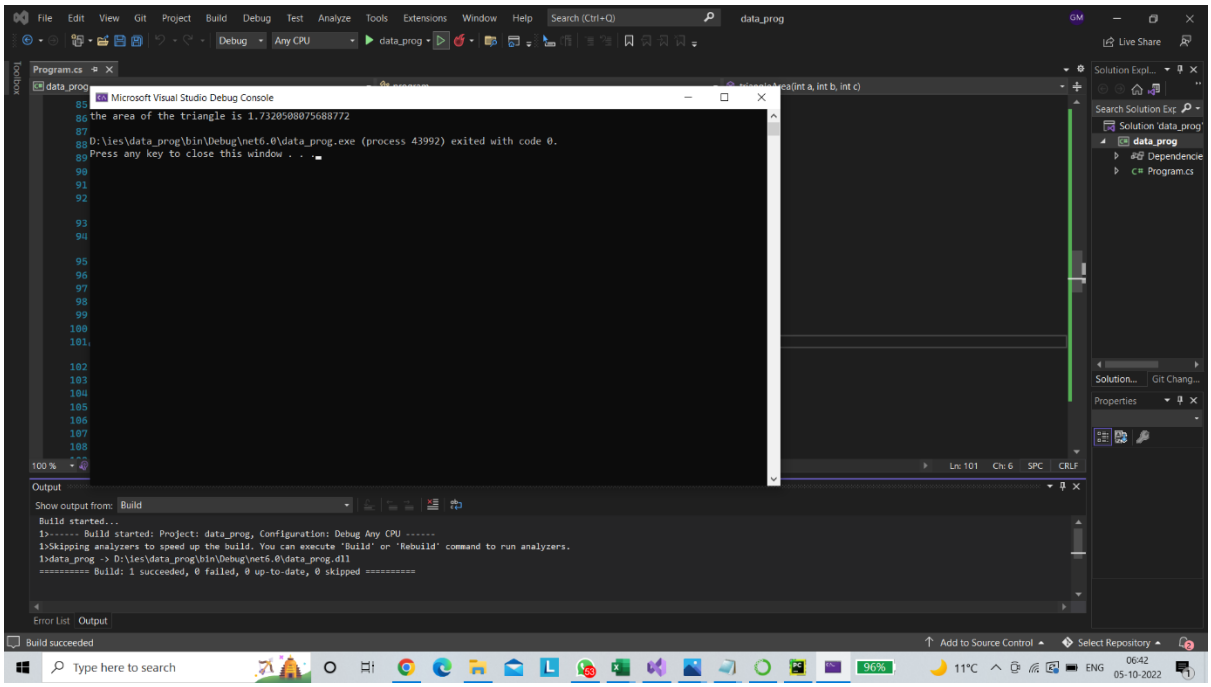


d. Which composer comes first in the dictionary: 'Berlioz', 'Borodin', 'Brian', 'Bartok', 'Bellini', 'Buxtehude', 'Bernstein'. Which one comes last?



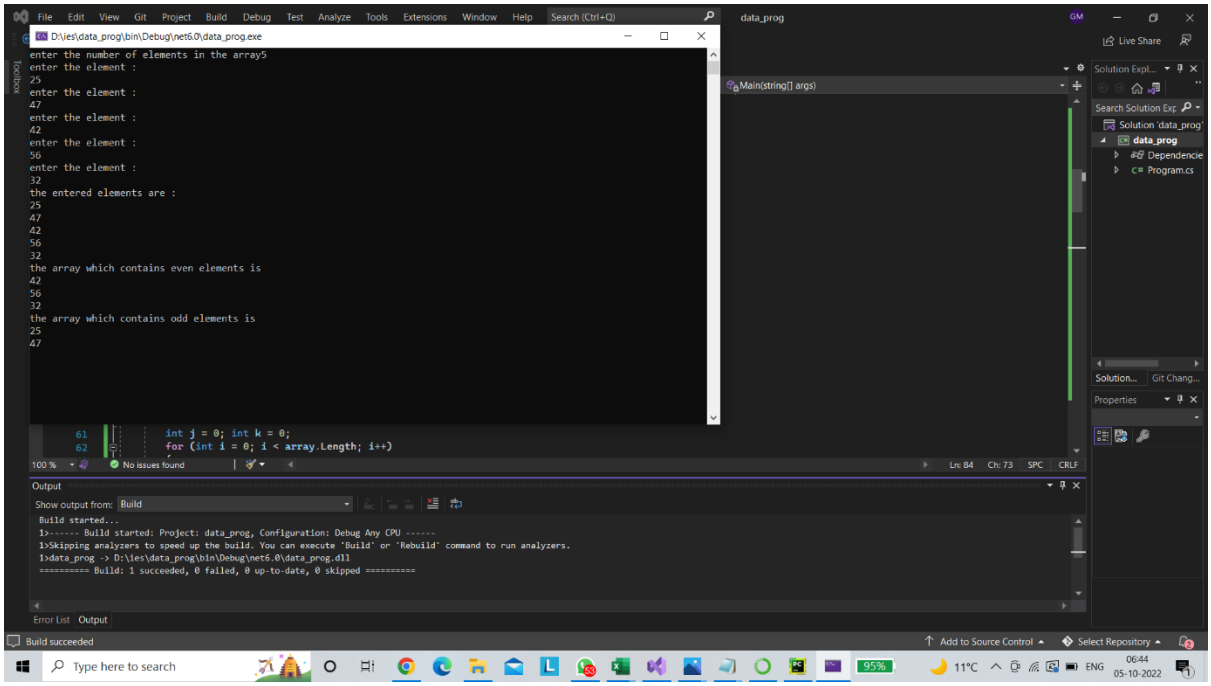
Question 3 C#

Implement function triangleArea(a,b,c) that takes as input the lengths of the 3 sides of a triangle and returns the area of the triangle. By Heron's formula, the area of a triangle with side lengths a, b, and c is $s(s - a)(s - b)(s - c)$, where $s = (a + b + c)/2$.



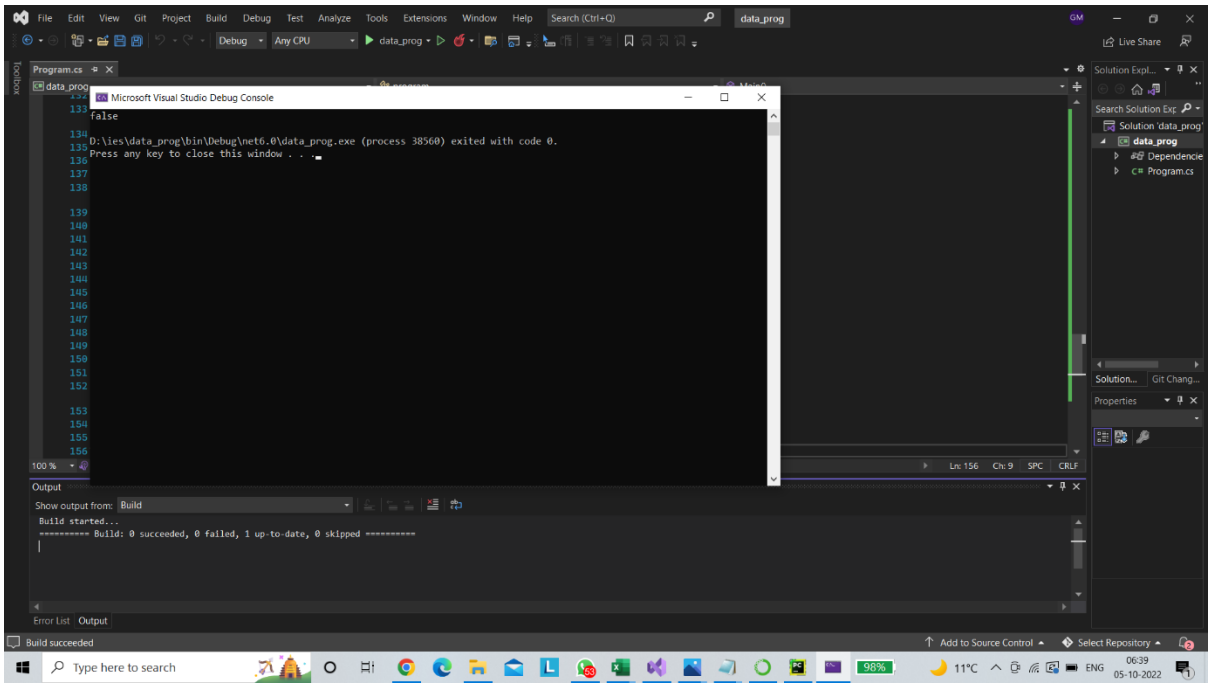
Question 4 C#

Write a program in C# Sharp to separate odd and even integers in separate arrays.



Question 5 C#

a. Write a function inside(x,y,x1,y1,x2,y2) that returns True or False dependingonwhetherthepoint(x,y)liesintherectanglewithlowerleft corner (x1,y1) and upper right corner (x2,y2).



b. Use function inside()from part a. to write an expression that tests whether the point (1,1) lies in both of the following rectangles: one with lower left corner (0.3, 0.5) and upper right corner (1.1, 0.7) and the other with lower left corner (0.5, 0.2) and upper right corner (1.1, 2).