Python Programming Lab CAT-1 Examination

Question 1 (7 Marks)

Write a python program to implement binary search using both list and tuples and find the position of the element.

Output format:

Search successful, element position is found at 'x'

Question 2 (7 Marks)

Write a python program to find the roots of a quadratic equation using three coefficients and find whether their roots are real and distinct and fetch the output values.

Output Format:

Enter the first coefficient: 4

Enter the second coefficient: 7

Enter the third coefficient: 2

The roots are real and distinct.

The root1 is: -0.3596117967977924

The root2 is: -1.3903882032022077