



Daffodil International University
Department of Software Engineering
Faculty of Science & Information Technology
Quiz: 1 Semester: Summer 2026 Section: H
Course Code: SE-131 Course Title: Data Structure

Time: 30 Minutes

Marks: 15

1. Suppose you are given an array containing the names of students: (Rafi, Sumi, Nabil, Tania, Rony, Mehedi, Farah, Shuvo).
 Write the basic part of the C code to delete the name "Mehedi" from the array. (5 marks)
2. Suppose you have a sorted array with 19 elements: (a, c, d, f, g, i, j, l, m, n, o, p, q, r, s, t, u, v, x).
 Apply Binary Search to find the element "p" by showing each step of middle index calculation and mention the time complexity of Binary Search. (5 marks)
3. Write two differences between linear and non-linear data structures with examples. (3 marks)
4. A dataset is stored as $A = \{5, 10, 15, 20, 25, 30\}$. A student wants to insert a value 18 after the third element and then delete the fifth element.
 Show the step-by-step array operations. (2 marks)

$$A[6] = A[i-1]$$

$$A[4] = A[3]$$

$$A[4] = A[i+1];$$