



# Bahria University, Lahore Campus

Department of Computer Science

## Quiz 02 (Spring 2023)

Name: \_\_\_\_\_

Enrollment: \_\_\_\_\_

Course: **Data Structures and Algorithm**

Date: **27-March-2023**

Course Code: **CSC-211**

Max Marks: **10**

Faculty's Name: **Ms. Zupash Awais**

### CLOs

CLO1	Explain and compare different data structures and their applications
CLO2	<b>Apply appropriate data structures according to the given scenarios and application domain</b>
CLO3	Analyze time complexity of different algorithms
CLO4	Design efficient algorithm(s) to solve real world problems

### Question 01: [05]

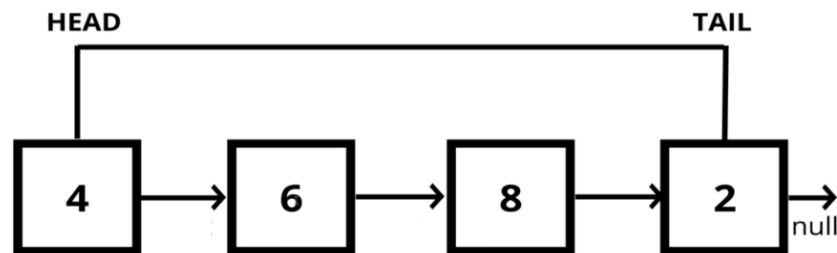
Convert the Expression from infix to prefix

$$a + b * c / (d - e) * f - 3$$

INPUT	PUSH()	POP()	OUTPUT

### Question 02: [05]

Perform the following functions on Linked List.



- 1) head->next->data = \_\_\_\_\_
- 2) insert\_at\_start(3)
- 3) head->data = \_\_\_\_\_
- 4) head->next->next->next->data = \_\_\_\_\_
- 5) tail -> data = \_\_\_\_\_
- 6) insert\_at\_end(9)
- 7) tail->data = \_\_\_\_\_
- 8) Length of List = \_\_\_\_\_