



**DEPARTMENT OF COMPUTER SYSTEM ENGINEERING**

**UNIVERSITY OF ENGINEERING & TECHNOLOGY PESHAWAR**

4<sup>th</sup> Semester SPRING 2023

**Assignment # 2**

**Max Marks: 10 Marks**

Due Date: 24 May 2023

**Plagiarism Policy:**

Plagiarism is strictly not allowed. Any case of plagiarism will get zero marks.

**Q1**

Write a dedicated definition of the following functions for Queue and Stacks, while re-utilizing/ updating the implemented functions of Linked List.

Functions of Queue:

- Head(Q)
- Enqueue(e, Q)
- Dequeue(Q)

Functions of Stack:

- Top(S)
- Push(e, S)
- Pop(S)

**Note: All your answers to the questions/ C++ code posed in the assignment should be organized as a handwritten document that you would submit.**