Student Name: _____   Roll No: _____
Program: BS (SE)   Quiz#01
Semester: Fall 2023   Marks: 10
Time Allowed: 20 minutes   Date: September 4, 2023
Course: CS2001 - Data Structures   Instructor: Waqas Ali

1. Consider an array-based list of integers with a **capacity** of 10. Consider if there are n integers in the list at any given time. You want to shift the elements of the list by **s** numbers.

   Write a function named **shift** that performs the shift operation explained above, the function should take the integer **s** as a parameter. You are not allowed to use index of the array to access its elements, use pointers instead. You do not have to write the code to implement the array list.   [**CLO1**]

   For Example:

1	4	6	11	3	15	8	9		

   The function call: **shift(3)** will shift the elements of the list 3 places to the right. The resultant array should be as follows:

15	8	9	1	4	6	11	3		