1. Write a function **‘int getValue(index)’** -> This function will return the value present in the input index of a linked-list. You need to use a stl list. If the index is greater or equal to the size of the linked-list return -1.

Sample Input: [3, 2, 6, 4, 5], index: 2

Sample Output: 6

1. Write a function **‘bool search(value)’** -> This function will return true if the value is present in the linked-list, otherwise return false. You need to use a stl list.

Sample Input: [3, 2, 6, 4, 5], value : 4

Sample Output: true

1. Write a function **void deleteZero()’** -> This function will delete all the elements that are equal to 0. You need to use a stl list.

Sample Input: [0, 2, 0, 0, 5]

Sample Output: [2, 5]

1. Write a program to check if a given bracket sequence is valid or not.

| **Sample Input** | **Sample Output** |
| --- | --- |
| {[][]()(())} | Yes |
| {[][]()(()))} | No |
| {[](}) | No |

1. Write a program to convert an infix expression to a postfix expression.

| **Sample Input** | **Sample Output** |
| --- | --- |
| a+b\*c+d\*e | abc\*+de\*+ |
| a+b+c\*d | ab+cd\*+ |