Problem A

In this problem, you need to create a singly linked list and insert integer values at the last of the linked list.

Input:
First line: n, a number. (1<=n<=10^6)
Next n lines: v, an integer (-1000<=v <=1000). Insert v at the last.

Output:
n lines, each containing the values stored in the linked list from head to tail.

Sample Case:

Input	Output
5 1 2 3 4 5	1 2 3 4 5

Problem B

In this problem, you need to create a singly linked list. You will be given information of n students (name and roll) which you will insert at the first of the linked list.

You must use the template named "*template_B.cpp*" stored in the templates folder*.

Input:
First line: n, a number (1<=n<=10^6).
Next n lines: *name roll*, a string and an integer (1<=*name*.length<=100, 1<= *roll* <=10000).

Output:
Each line will contain the values stored in the linked list from head to tail.

Sample Case:

Input	Output
3 Alice 23 Bob 2 Janice 45	Janice 45 Bob 2 Alice 23

Problem C

In this problem, you will be given an infix expression. Convert it to postfix.

Sample Case:

Input	Output
A+B*C	ABC*+

Problem D

In this problem, you will be given an postfix expression where each operand is a digit. Evaluate it.

Sample Case:

Input	Output
168*+	49