Insert a node at a specific position in a linked list

This challenge is part of a tutorial track by MyCodeSchool and is accompanied by a video lesson.

You're given the pointer to the head node of a linked list, an integer to add to the list and the position at which the integer must be inserted. Create a new node with the given integer, insert this node at the desired position and return the head node. A position of 0 indicates head, a position of 1 indicates one node away from the head and so on. The head pointer given may be null meaning that the initial list is empty.

Input Format

You have to complete the `Node* Insert(Node* head, int data, int position)` method which takes three arguments - the head of the linked list, the integer to insert and the position at which the integer must be inserted. You should NOT read any input from stdin/console. `position` will always be between 0 and the number of the elements in the list (inclusive).

Output Format

Insert the new node at the desired position and `return` the head of the updated linked list. Do NOT print anything to stdout/console.

Sample Input

NULL, data = 3, position = 0
3 --> NULL, data = 4, position = 0

Sample Output

```
3 --> NULL
4 --> 3 --> NULL
```

Explanation

1. we have an empty list and position 0. 3 becomes head.
2. 4 is added to position 0, hence 4 becomes head.

Note

For the purpose of evaluation the list has been initialised with a node with data=2. Ignore it, this is done to avoid printing empty lists while comparing output.

Video lesson