

# Insert a node into a sorted doubly linked list

## Problem Statement

This challenge is part of a tutorial track by [MyCodeSchool](#)

You're given the pointer to the head node of a sorted doubly linked list and an integer to insert into the list. Create a node and insert it into the appropriate position in the list. The head node might be NULL to indicate that the list is empty.

## Input Format

You have to complete the `Node* SortedInsert(Node* head, int data)` method which takes two arguments - the head of the sorted, doubly linked list and the value to insert. You should NOT read any input from stdin/console.

## Output Format

Create a node with the given data and insert it into the given list, making sure that the new list is also sorted. Then `return` the head node of the updated list. Do NOT print anything to stdout/console.

## Sample Input

```
NULL , data = 2
NULL <-- 2 <--> 4 <--> 6 --> NULL , data = 5
```

## Sample Output

```
NULL <-- 2 --> NULL
NULL <-- 2 <--> 4 <--> 5 <--> 6 --> NULL
```

## Explanation

1. We have an empty list, 2 is inserted.
2. Data 5 is inserted such as list remains sorted.