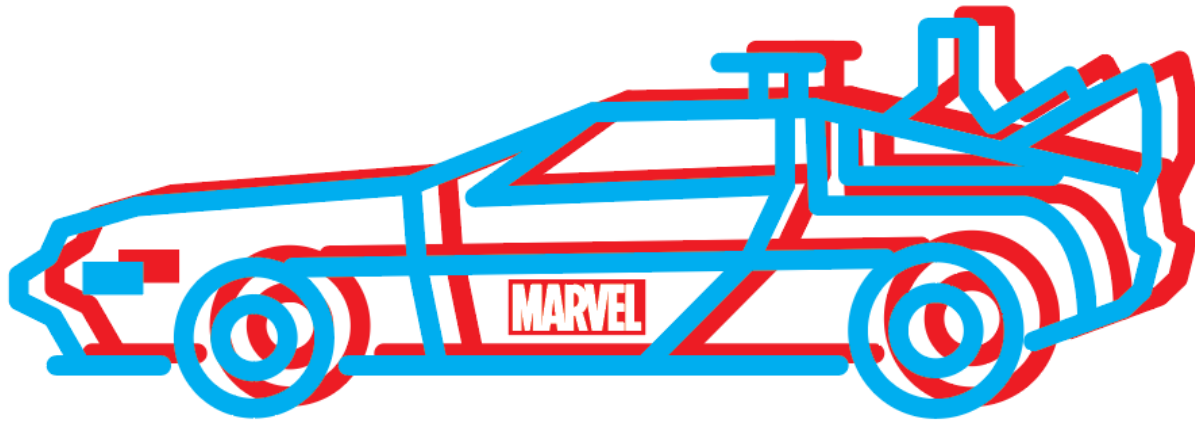


Great Scott! Someone crossed the Marvel timeline with the space-time continuum!



Turns out, Marty McFly and Doc Brown borrowed the Time Stone from Doctor Strange and drove the DeLorean straight into the multiverse. The result?

A chronological disaster: Thor appears before The Avengers, Infinity War happens before Civil War, and somehow, Howard the Duck is now part of the main MCU timeline.

What's this lab about?

Well, we need to restore order to the Marvel timeline before Marty accidentally erases Endgame from existence!!

Okay how?

The magic power of Java!

You are given a Node structure to represent the timeline. But remember, this is not Java's LinkedList. **You cannot use Java's Linked List.** you must do things the old-school way, just like Doc fixed the flux capacitor:

```
class Node
{
    String data;
    Node next;
    Node(String data)
    {
        this.data = data;
        next = null;
    }
}
```

The Steps Needed:

Build the Marvel timeline (your linked list): Each node represents a key Marvel event using a String:

Example of a scrambled timeline:

Input: IronMan -> Spiderman -> Thor -> Hulk -> BlackWidow -> DoctorStrange -> NULL

Then, the next step is to reverse between two positions. Example: x = 3 and y = 6.

Output: IronMan -> Spiderman -> DoctorStrange -> BlackWidow -> Hulk -> Thor -> NULL.

Print the timeline before and after the reversal to ensure the timeline is fixed.

Example on how to build the timeline/linkedlist?

First, make use of the Node class above, then, in your main function, use something like:

```
Node head = new Node("Iron Man");
head.next = new Node("The Avengers");
head.next.next = new Node("Thor: The Dark World");

//print list

//call your function with x and y parameters.

//print list
```

Submit Java files only!

Reminder:

Plagiarism, including online codes and use of generative AI is strictly prohibited and could lead to academic dishonesty report.

Please refer to the TUJ Plagiarism and cheating policy here:

<https://www.tuj.ac.jp/policies/academic-honesty>. Quote: "The penalty for academic dishonesty can vary from receiving a reprimand and a failing grade for a particular assignment, to a failing grade in the course, to suspension or expulsion from the university".

Homework:

If you haven't seen any of the aforementioned movies, back to the future is a good place to start!