Reverse List   X34491_en

Consider the following `struct` for a doubly linked list.

> **struct** *list_node*
> {
>   **int** *m_value*;
>   *list_node* * *m_previous* = *nullptr* ;
>   *list_node* * *m_next* = *nullptr* ;
> };

Implement the function

> *list_node* * *reverse* (*list_node* * *head*);

that reverses *in-place* the given list, without dynamic memory allocations, and returns a pointer to its new head.

Observation

You only need to submit the required classes; your main program will be ignored. Strictly obey the type definitions of the statement.

Problem information

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