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C Online Compiler

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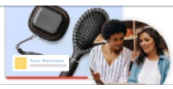
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main.c

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```c
#include <stdlib.h>

struct Node {
    int data;
    struct Node* next;
    struct Node* prev;
};

void insertAtEnd(struct Node** head_ref, int new_data) {
    struct Node* new_node = (struct Node*)malloc(sizeof(struct Node));
    struct Node* last = *head_ref;

    new_node->data = new_data;
    new_node->next = NULL;

    if (*head_ref == NULL) {
        new_node->prev = NULL;
        *head_ref = new_node;
        return;
    }

    while (last->next != NULL) {
        last = last->next;
    }

    last->next = new_node;
    new_node->prev = last;
}
```

Output | Clear

```
1 2 3

=== Code Execution Successful ===
```

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