

QUESTION 3:

//Write a function "delete\_end()" for deleting a node from the end of  
//the linked list.

SOLUTION :

// Function to remove the last node of the linked list

```
Node* delete_end(struct Node* head)
{
    if (head == NULL)
        return NULL;

    if (head->next == NULL) {
        delete head;
        return NULL;
    }

    // Find the second last node
    Node* second_last = head;
    while (second_last->next->next != NULL)
        second_last = second_last->next;

    // Delete last node
    delete (second_last->next);

    // Change next of second last
    second_last->next = NULL;

    return head;
}

// Function to push node at head
void push(struct Node** head_ref, int new_data)
{
    struct Node* new_node = new Node;
    new_node->data = new_data;
    new_node->next = (*head_ref);
    (*head_ref) = new_node;
}
```