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```
void insert-at-beginning (struct Node** head, int data)
{
    struct Node *new = (struct Node*) malloc (sizeof
                                                (struct Node));
    new->data = data;
    new->link = *head;
    if (*head != NULL)
    {
        (*head)->link = XOR.(new, head->link);
    }
    *head = new;
}
```

```
void insertion-at-the-end (struct Node** head, int data)
{
    struct Node *new = (struct Node*) malloc (sizeof (struct Node));
    new->data = data;
    new->link = NULL;
    if (*head == NULL)
    {
        *head = new;
        return;
    }
    struct Node *last = *head;
    while (last->link != NULL)
    {
        last = last->link;
    }
    last->link = new;
    return;
}
```

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