```
#include<stdio.h>
#include<stdlib.h>
struct Node
};
struct Node* insertAtEnd(struct Node* head, int newData)
   struct Node* newNode = (struct Node*)malloc(sizeof(struct Node));
   newNode->data = newData;
   newNode->next = NULL;
       return newNode;
   while (temp->next != NULL)
       temp = temp->next;
   temp->next = newNode;
struct Node* deleteFirst(struct Node* head)
       printf("List is Empty! Deletion not Possible");
   free(head);
   return newHead;
struct Node* deleteElement(struct Node* head, int target)
```

```
printf("List is Empty, hence cannot Delete \n");
   if (head->data == target)
       struct Node* newHead = head->next;
       free (head);
       return newHead;
   while (temp->next != NULL && temp->next->data != target)
       temp = temp->next;
       printf("Element %d not found in the list \n", target);
   struct Node* nodeToDelete = temp->next;
   temp->next = temp->next->next;
   free (nodeToDelete);
struct Node* deleteLast(struct Node* head)
       printf("List is Empty, hence cannot Delete \n");
       free (head);
   struct Node* temp = head;
```

```
free(temp->next);
void displayList(struct Node* head)
   while (temp != NULL)
       printf(" %d ->", temp->data);
       temp = temp->next;
   printf("NULL \n");
   struct Node* head = NULL;
   head = insertAtEnd(head, 2);
   head = insertAtEnd(head, 3);
   printf("Linked List:");
   displayList(head);
   head = deleteFirst(head);
   printf("After deleting the first element:");
   displayList(head);
   head = deleteElement(head, 2);
   printf("After deleting the second element:");
   displayList(head);
   head = deleteLast(head);
   printf("After deleting the last Element:");
   displayList(head);
```

PROBLEMS DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\kadab\OneDrive\Desktop\DS> gcc six.c

PS C:\Users\kadab\OneDrive\Desktop\DS> .\a.exe

Linked List: 1 -> 2 -> 3 ->NULL

After deleting the first element: 2 -> 3 ->NULL

After deleting the second element: 3 ->NULL

After deleting the last Element:NULL

PS C:\Users\kadab\OneDrive\Desktop\DS> []

