Sanjana Pal 1RUA25BCA0096

Lab 4 Component:

To make a linked list with at least 3 nodes in it, and add a new node as a new head at the beginning.

Input:

```c
#include <stdio.h>
#include <stdlib.h>
struct Node{
    int data;
    struct Node *next;
};
int main() {
    struct Node *head, *first, *second;
    head = (struct Node*)malloc(sizeof(struct Node));
    first = (struct Node*)malloc(sizeof(struct Node));
    second = (struct Node*)malloc(sizeof(struct Node));
    head->data=34;
    head->next=first;

    first->data=45;
    first->next=second;

    second->data=89;
    second->next=NULL;

    printf("%d for initial head \n", head->data);

    struct Node *newNode = (struct Node*)malloc(sizeof(struct Node));
    newNode->data=5;
    newNode->next=head;
    head=newNode;
    printf("%d for the new node", newNode->data);
    free(second);
    free(first);
    free(head);

    return 0;
}
```

Output:

```
Output
34 for initial head
5 for the new node

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

9th February 2026 3:44 PM