13.

Write a program to create and display a linked list

Example 1:

Nodes : 6,7,8,9

Output: 6->7->8->9

CODE:

```
#include <stdio.h>
#include <stdlib.h>

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

void displayList(struct Node* node) {
    while (node != NULL) {
        printf("%d", node->data);
        if (node->next != NULL) {
            printf("->");
        }
        node = node->next;
    }
}
```

```
int main() {
	struct Node* head = NULL;
	struct Node* second = NULL;
	struct Node* third = NULL;
	struct Node* fourth = NULL;

	head = (struct Node*)malloc(sizeof(struct Node));
	second = (struct Node*)malloc(sizeof(struct Node));
	third = (struct Node*)malloc(sizeof(struct Node));
	fourth = (struct Node*)malloc(sizeof(struct Node));

	head->data = 6;
	head->next = second;

	second->data = 7;
	second->next = third;

	third->data = 8;
	third->next = fourth;

	fourth->data = 9;
	fourth->next = NULL;

	displayList(head);
```

```
        return 0;
}
```

OUTPUT:

6->7->8->9