Write a program to create a Linked list:

```
#include <stdio.h>
#include <stdlib.h>
struct node{
    int data;
    struct node *next;
struct node *head, *tail = NULL;
void addNode(int data) {
    struct node *newNode = (struct node*)malloc(sizeof(struct node));
    newNode->data = data;
    newNode->next = NULL;
    if(head == NULL) {
        head = newNode;
       tail = newNode;
        tail->next = newNode;
        tail = newNode;
void display() {
    struct node *current = head;
    if(head == NULL) {
        printf("List is empty\n");
```

```
printf("Nodes of singly linked list: \n");
while(current != NULL) {
    //Prints each node by incrementing pointer
    printf("%d ", current->data);
    current = current->next;
}
printf("\n");
}

int main() {
    //Add nodes to the list
    addNode(1);
    addNode(2);
    addNode(3);
    addNode(4);

    //Displays the nodes present in the list
    display();
    return 0;
}
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\vaishnavi> cd "c:\Users\vaishnavi\Desktop\" ; if ($?) { gcc p1.c -o p1 } ; if ($?) { .\p1 }

Nodes of singly linked list:
1 2 3 4

PS C:\Users\vaishnavi\Desktop>
```