//Aim 9: Write a program to insert a node in the beginning and end of singly linked list.
Code:

```c
#include<stdio.h>
#include<conio.h>
typedef struct Linkedlist
{
int data;
struct Linkedlist *next;
}node;
node *temp,*ttemp,*first;
void AddNode(int i)
{
        if(i==1)
        {
         first=(node*)malloc(sizeof(node));
         printf("Enter value of node %d: ",i);
         scanf("%d",&first->data);
         first->next=NULL;
        }
        else
        {
        temp=first;
        while (temp->next!=NULL)
        temp=temp->next;
        ttemp=(node*)malloc(sizeof(node));
        printf("Enter value of node %d: ",i);
        scanf("%d",&ttemp->data);
        ttemp->next=NULL;
        temp->next=ttemp;
        }
}
void display()
{
        temp=first;
        printf("\nElements of Linked List are: ");
        while(temp!=NULL)
        {
                printf("%d,",temp->data);
                temp=temp->next;
        }
}
void Add_Begining(int val)
{
 ttemp=(node*)malloc(sizeof(node));
 ttemp->data=val;
 temp=first;
 ttemp->next=temp;
```

```c
 first=ttemp;
}
void Add_End(int val)
{
 ttemp=(node*)malloc(sizeof(node));
 ttemp->data=val;
 temp=first;
 while(temp->next!=NULL)
 temp=temp->next;
 temp->next=ttemp;
 ttemp->next=NULL;
}
void main()
{
 int i,n,beg,e;
 clrscr();
 printf("Enter total number of nodes in a Linked List: ");
 scanf("%d",&n);
 for(i=1;i<=n;i++)
  AddNode(i);
 display();
 printf("\nEnter value of node to be added at the begining:");
 scanf("%d",&beg);
 Add_Begining(beg);
 display();
 printf("\nEnter value of node to be added at the end:");
 scanf("%d",&e);
 Add_End(e);
 display();
 getch();
}
```

OUTPUT :

```
Enter total number of nodes in a Linked List: 5
Enter value of node 1: 10
Enter value of node 2: 20
Enter value of node 3: 30
Enter value of node 4: 40
Enter value of node 5: 50

Elements of Linked List are: 10,20,30,40,50,
Enter value of node to be added at the begining:100

Elements of Linked List are: 100,10,20,30,40,50,
Enter value of node to be added at the end:200

Elements of Linked List are: 100,10,20,30,40,50,200,_
```