```
#include <stdio.h>
#include <stdlib.h>
struct node
  int data;
  struct node* next;
} *head = NULL, *tail = NULL;
void create()
  int n;
  int i = 1;
  printf("Enter the Size= ");
  scanf("%d", &n);
  while (i \le n)
    int value;
```

```
printf("Enter the value= ");
    scanf("%d", &value);
    struct node* newnode;
    newnode = (struct node*)malloc(sizeof(struct node));
    newnode->data = value;
    newnode->next = NULL;
    if (head == NULL)
      head = newnode;
      tail = newnode;
    else
      tail->next = newnode;
      tail = newnode;
    i++;
void insertAtfirst()
```

```
{
  int value;
  printf("Enter the value do you insert= \n");
  scanf("%d", &value);
  struct node* newnode;
  newnode = (struct node*)malloc(sizeof(struct node));
  newnode->data = value;
  newnode->next = head;
  head=newnode;
void insertAtlast()
{
  int value;
  printf("Enter the value do you insert= \n");
  scanf("%d", &value);
  struct node* newnode;
  newnode = (struct node*)malloc(sizeof(struct node));
  newnode->data = value;
  newnode->next=NULL;
```

```
if (head == NULL)
  {
    head = newnode;
    tail = newnode;
  else
    tail->next = newnode;
    tail = newnode;
void insertAtspecficpos()
{
  int i=1;
  int n;
  struct node *ptr;
  ptr=head;
  printf("Enter your position= ");
```

```
scanf("%d",&n);
  while(i<n-1)
    ptr=ptr->next;
    i++;
  int value;
  printf("Enter the value do you insert= \n");
  scanf("%d", &value);
  struct node* newnode;
  newnode = (struct node*)malloc(sizeof(struct node));
  newnode->data = value;
  newnode->next=ptr->next;
  ptr->next=newnode;
void deleteAtfirst(){
struct node*temp;
temp=head;
head=head->next;
```

```
free(temp);
}
void deleteAtlast(){
  int i=1;
struct node *ptr;
ptr=head;
while(ptr->next!=tail){
  ptr=ptr->next;
  i++;
ptr->next=NULL;
tail=ptr;
void deleteAtspic(){
int n;
int i=1;
struct node*temp;
```

```
temp=head;
printf("Enter the positon = ");
scanf("%d",&n);
while(i<n-1){
temp=temp->next;
  i++;
temp->next=temp->next->next;
}
void traverse()
  struct node* ptr;
  ptr = head;
  while (ptr != NULL)
  {
    printf("%d->", ptr->data);
    ptr = ptr->next;
```

```
printf("NULL");
}

int main()
{
    create();
    //insertAtlast();
    // insertAtspecficpos();
    deleteAtspic();
    traverse();

return 0;
}
```