//Implementation of singly link list

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

// define structure of a node

```
struct node
{
    int data;
    struct node* link;
};
struct node *start;
```

// create a node

```
struct node * create_node()
{
    struct node *temp;
    temp=(struct node*)malloc(sizeof(struct node));
    return temp;
}
```

// function for insert element at first position

```
void insert_first()
{
   struct node *temp;
   temp=create_node();
   printf("Enter a element\n");
   scanf("%d",&temp->data);
   temp->link=start;
   start=temp;
}
```

// function for delete element from the starting

```
void delte_first()
```

```
{
   struct node * temp;
   if(start==NULL)
     printf("List is empty\n");
   else
   {
      temp=start;
      start=temp->link;
      free(temp);
   }
}
```

// function for display the element of List

```
void display()
{
   struct node * temp;
   if(start==NULL)
     printf("List is empty\n");
   else
   {
      temp=start;
      while(temp!=NULL)
      {
         printf("%d ",temp->data);
         temp=temp->link;
      }
   }
}
void main()
{
```

```
    int ch;
    printf("1. insert element at starting\n");
    printf("2. delete element from the starting\n");
    printf("3. display element of the list\n");
    printf("4. exit\n");
    while(1)
    {
        printf("Enter your choice\n");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1: insert_first();
                    break;
            case 2: delte_first();
                    break;
            case 3: display();
                    break;
            case 4: exit(0);
            default: printf("Wrong key\n");
        }
    }
}
```