

/*Write a menu driven program to implement single linked list to perform the following operations: 1- Insertion at Beginning 2- Delete from Beginning 3- Display 4- Exit */

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

```
struct node
{
    int data;
    struct node *next;
} * start, *current, *newnode;
```

```
void main()
{
    int x,ch;
    newnode = (struct node *)malloc(sizeof(struct node));
    printf("Enter the value of x");
    scanf("%d", &x);
    newnode->data = x;
    newnode->next = start;
    start = newnode;
}
while(1)
{
    printf("1- Insert at beggining \n 2- Delete from beggining \n 3- Display \n 4- Exit \n");
    printf("Enter your choice");
    scanf("%d",&ch);

    switch (ch)
    {
        case 1:
            insertbeg();
            break;
        case 2:
            deletebeg();
            break;

        case 3:
            display();
            break;

        case 4:
            exit();

        default:
            printf("Invalid input");
            break;
    }
}
```

```
void insertbeg()
```

```
{
    int x;
    newnode = (struct node *)malloc(sizeof(struct node));
    printf("Enter the value of x");
    scanf("%d",&x);
    newnode->data=x;
    newnode->next=start;
    start=newnode;
}
```

void deletebeg()

```
{
    struct node *p;
    p=start;
    start=start->next;
    free(p);
}
```

void display()

```
{
    struct node *p;
    p = start;
    while (p->data != NULL)
    {
        printf("%d", p->data);
        p = p->next;
    }
}
```