

/*create and traverse the element in double linked list*/

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

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

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

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

```
void traversebackward()
{
    struct node *p;
    p=current;
    while(p!= NULL)
    {
        printf("%d",p->data);
        p=p->prev;
    }
}
```