

# singly\_link\_list.c

```
#include<stdio.h>
#include"singly_link_list.h"
#include<malloc.h>
#include<stdlib.h>
void main()
{
int ch,q=0;
do
{
printf("\n1)Create \n2)Display");
printf("\n3)Insert \n4)Delete");
printf("\n5)Search \n6)Exit\n");
printf("\nENTER YOUR CHOICE : ");
scanf("%d",&ch);
switch(ch)
{
case 1: create();
break;
case 2:display();
break;
case 3: insert();
break;
case 4: delete();
break;
case 5: search();
break;
case 6:q=1;
break;
}
}while(q==0);
}
/* Output->
1)Create
2)Display
3)Insert
4)Delete
5)Search
6)Exit
```

ENTER YOUR CHOICE : 1

How many values : 4

Enter actual value : 11 22 33 44

```
1)Create
2)Display
3)Insert
4)Delete
```

5)Search  
6)Exit

ENTER YOUR CHOICE : 2

11     22     33     44

1)Create  
2)Display  
3)Insert  
4)Delete  
5)Search  
6)Exit

ENTER YOUR CHOICE : 3

Enter the position : 2

Enter the value to insert : 77

1)Create  
2)Display  
3)Insert  
4)Delete  
5)Search  
6)Exit

ENTER YOUR CHOICE : 2

11     22     77     33     44

1)Create  
2)Display  
3)Insert  
4)Delete  
5)Search  
6)Exit

ENTER YOUR CHOICE : 4

Enter the position : 2

The deleted element is 22

1)Create  
2)Display  
3)Insert  
4)Delete  
5)Search  
6)Exit

ENTER YOUR CHOICE : 2

11     77     33     44

1)Create  
2)Display  
3)Insert  
4)Delete  
5)Search  
6)Exit

ENTER YOUR CHOICE : 5

Enter the value searched : 33

The element is found

- 1)Create
- 2)Display
- 3)Insert
- 4)Delete
- 5)Search
- 6)Exit

ENTER YOUR CHOICE : 6

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