

```

#include<iostream>           //delete and add first
#include<conio.h>
using namespace std;
struct node
{int x;
node *l;
};
node* add_first(node *p)
{int y;
if(p==NULL)
{p=new(node);
if(p==NULL)
{cout<<"no space \n";
getch();
exit(0);
}
cout<<"enter the value\n";
cin>>y;
p->x=y;
p->l=NULL;
}
else
{node *T;
T=new (node);
if(T==NULL)
{cout<<"no space\n";
getch();
exit(0);
}
cout<<"enter the value\n";
cin>>y;
T->x=y;
T->l=p;
p=T;
}
return p;}
node *delete_first(node *p,int &y)
{node *t=p;
if(p==NULL)
{cout<<"no node\n";
getch();
exit (0);
}
else
{p=p->l;
y=t->x;
cout<<endl<<t->x;
delete t;
}
return p;
}
void print(node *p)
{while(p!=NULL)
{cout<<p->l<<endl;
cout<<p->x<<endl;
p=p->l;
}
}

```

```
void main()
{    cout<<"\t\t\t\t\t\t\t\t(' - ') Welcome to linked list program ('-')\t\t\t\t\tIbn_Alyemen\n";
    int i,k,m,y,z;
        node *p=NULL;
        do{p=add_first(p);
cout<<"press 0 to stop adding\n";
cin>>i;}while(i!=0);
do{
cout<<"to delete press 1\n";
cout<<"to print press 2\n";
cin>>k;
if(k==1)
{do
{p=delete_first(p,y);
cout<<endl<<"the deleted value is:"<<y;
cout<<"\npress 0 to stop deleting\n";
cin>>m;
}while(m!=0);
}
else if(k==2)
print(p);
cout<<"to exit from the program press 0";
cin>>z;}while(z!=0);
getch();
}
```