```cpp
#include<iostream>
#include<conio.h>
using namespace std;
struct dnode
{int x;
dnode *r;
dnode *L;
};
void insert_dnode_first(dnode **p)
{if(*p==NULL)
{*p=new (dnode);
if(*p==NULL)
{cout<<"no space!\n";
getch();
return;
}
cout<<"enter thr value:\n";
cin>>(*p)->x;
(*p)->L=NULL;
(*p)->r=NULL;
}
else
{dnode *T=new (dnode);
if(T==NULL)
{cout<<"no space!\n";
getch();
return;
}
cout<<"enter the value:\n";
cin>>T->x;
T->r=*p;
T->L=NULL;
(*p)->L=T;
(*p)=T;
}
}
void de_dnode_first(dnode **p)
{if(*p==NULL)
{cout<<"node is empity!\n";
getch();
return;
}
else
{dnode *T=*p;
(*p)=(*p)->r;
cout<<"The deleted value is: "<<T->x<<endl;
delete T;
(*p)->L=NULL;
}
}
void print_dnode_first(dnode **p)
{if(*p==NULL)
{cout<<"node is empity!\n";
getch();
return;
}
while(*p!=NULL)
{cout<<(*p)->x<<endl;
```

```cpp
        (*p)=(*p)->r;
    }
}
void main()
{   int x;
        dnode *p=NULL;
        cout<<"\t\t\t\t('-') Welcome to double linked list ('-')\n";
do
{cout<<"press 1 to enter data:\n";
cout<<"press 2 to delete data:\n";
cout<<"press 3 to print datas:\n";
cout<<"Please choose a number:\n";
cin>>x;
switch(x)
{case 1:insert_dnode_first(&p);break;
case 2:de_dnode_first(&p);break;
case 3:print_dnode_first(&p);break;
default:cout<<"please enter your choice correctly!\n";
}
cout<<"to exit press 0:\n";
cin>>x;
}while(x!=0);
getch();
}
```