



**LAWYER
MANAGEMENT
SYSTEM ABOUT CASE
HANDLING**

By DJVprogrammers

CODE:

```
#include<iostream>

#include<conio.h>

using namespace std;

struct clients
{
    //parts of a node.

    string name;

    clients* link;

    clients()
    {
        link=NULL;
    }
};

class lawyer
{
    //pointers to handle the linklist
    clients *start,*cur,*temp;

    public:

    lawyer()
```

```
{  
  
    start=NULL;  
  
}  
  
//function to create nodes  
  
creat_file (string n)  
  
{  
  
    //create 1st node...  
  
    if(start==NULL)  
    {  
  
        start=new clients;  
  
        start->link=NULL;  
  
        start->name=n;  
  
    }  
  
    //to create new node..  
    else  
    {  
  
        cur=start;  
  
        while(cur->link!=NULL)  
  
        {  
  
            cur=cur->link;  
  
        }  
  
    }  
  
}
```

```
        temp=new clients;

        temp->name=n;

        temp->link=NULL;

        cur->link=temp;

    }

}

void insert_file(int p,string n)

{

    cur=start;

    //insert data at start

    if(p==1)

    {

        temp=new clients;

        temp->name=n;

        temp->link=start;

        start=temp;

    }

    //insert data in mid or at end

    else

    {

        for(int i=1;i<p-1;i++)
```

```
{  
  
    cur=cur->link;  
  
}  
  
temp=new clients;  
  
temp->name=n;  
  
temp->link=cur->link;  
  
cur->link=temp;  
  
}  
  
}  
  
void terminating_file(string n)  
{  
  
    cur=start;  
  
    if(start->name==n)  
    {  
  
        temp=start;  
  
        start=start->link;  
  
        delete temp;  
  
    }  
  
    else  
  
    {
```

```
        while(cur->name!=n)
        {
            if(cur->link==NULL)
            {
                cout<<"Any case of"<<n<<" does not exist"<<endl;
                return ;
            }
            temp=cur;
            cur=cur->link;
        }
        temp->link=cur->link;
        delete cur;
    }
}

//sorting data
sorting()
{
    cur=temp=start;

    string t;
```

```
while(cur->link!=NULL)//outer loop

{

    temp=cur;

    while(temp->link!=NULL)//inner loop

    {

        if(cur->name>=temp->name)

        {

            t=cur->name;

            cur->name=temp->name;

            temp->name=t;

        }

        temp=temp->link;

    }

    //used this if to compare data of last node

    if(cur->name>=temp->name)

    {

        t=cur->name;

        cur->name=temp->name;

        temp->name=t;

    }
```

```
        cur=cur->link;

    }

}

//print data of the linklist.

void print()
{
    cur=start;

    int c;

    for(c=1;cur->link!=NULL;c++)
    {
        cout<<"File "<<c<<" ---> "<<cur->name<<endl;

        cur=cur->link;

    }

    cout<<"File "<<c<<" ---> "<<cur->name<<endl;

}

};

int main()
{

    lawyer l1;
```

```
int nooffiles,i,p,ch;

string n;

cout<<"\n\t=====
=====\\n\\n";

cout<<"\t\t\t LAWYER's MANAGEMENT SYSTEM\\n";

cout<<"\n\t=====
=====\\n\\n";

cout<<"\n\t=====
=====\\n\\n";

cout<<"\n\t1- REGISTER CASES WITH NAMES\\n";

cout<<"\n\t2- CAN INSERT FILE OF ANY CASE ANY WHERE IN HIS FILES\\n";

cout<<"\n\t3- WHEN A CASES IS TERMINATED,,, LAWYER CAN DELETE HIS
CASES FILE\\n";

cout<<"\n\t4- CAN SORT FILES IN ANY ORDER(HERE ONLY IN ALPHABETICAL
ORDER\\n";

cout<<"\n\t5-CAN SEE ALL THE FILES ANY TIME\\n";

cout<<"\n\t=====
=====\\n\\n";

cout<<"\n\t=====CREATE FILES OF CASES WITH
NAMES=====\\n"<<endl;

//no. of files.

cout<<"how many cases you want to file"<<endl;

cin>>nooffiles;
```

```
//create files....function call pass data..

for(i=1;i<=nooffiles;i++)

{

    cout<<"\nEnter Name \t";

    //getline(cin,n);

    cin>>n;

    l1.creat_file(n);

}

do

{

    cout<<"\n\nWant You want to do with your cases now"<<endl;

    cout<<"\n1-Insert file\n";

    cout<<"2-Terminate the case"<<endl;

    cout<<"3-Sort your files"<<endl;

    cout<<"4-Exit\n"<<endl;

    cin>>ch;

    switch(ch)

    {

        case 1:

            cout<<"\n\t=====INSERT

FILE=====\\n\\n";
```

```
        cout<<"Enter name of person whose file you want to insert in your
files"<<endl;

        //getline(cin,n);

        cin>>n;

        cout<<"\nWhere you want to insert New file...\n"<<endl;

        cin>>p;

        l1.insert_file(p,n);

        cout<<"File of "<<n<<" has been inserted in your files at position
"<<p<<endl;

        break;

    case 2:

        cout<<"\n\t=====TERMINATE
FILE=====\\n\\n";

        cout<<"\nEnter name of person whose case has been terminated\\n"<<endl;

        //getline(cin,n);

        cin>>n;

        l1.terminating_file(n);

        cout<<"\nCase of "<<n<<" Has been removed from your list"<<endl;

        break;

    case 3:

        cout<<"\n\t=====SORT
FILES=====+=====\\n\\n";
```

```
        l1.sorting();

        cout<<"\nYour Files has been sorted Alphabetically"<<endl;

        l1.print();

        break;

    case 4:

        cout<<"\n\t=====LIST OF
FILE=====\\n\\n";

        l1.print();

        break;

    default:

        cout<<"\t-----Invalid-----"<<endl;

    }

}

while(ch!=4);

cout<<"\nTHANK YOU"<<endl;

getch();

}
```

```
=====
                        LAWYER'S MANAGEMENT SYSTEM
=====

=====

1- REGISTER CASES WITH NAMES
2- CAN INSERT FILE OF ANY CASE ANY WHERE IN HIS FILES
3- WHEN A CASES IS TERMINATED,,, LAWYER CAN DELETE HIS CASES FILE
4- CAN SORT FILES IN ANY ORDER(HERE ONLY IN ALPHABETICAL ORDER
5-CAN SEE ALL THE FILES ANY TIME

=====

=====CREATE FILES OF CASES WITH NAMES=====

How many cases you want to file
4
Enter Name      javeria
Enter Name      saad
Enter Name      aanik
Enter Name      ahmad

Want You want to do with your cases now
1-Insert file
2-Terminate the case
3-Sort your files
4-Exit
1

=====INSERT FILE=====

Enter name of person whose file you want to insert in your files
Fatima

Where you want to insert New file...
3
File of fatima has been inserted in your files at position 3
```

```
=====INSERT FILE=====
Enter name of person whose file you want to insert in your files
fatima
Where you want to insert New file...
3
File of fatima has been inserted in your files at position 3

Want You want to do with your cases now
1-Insert file
2-Terminate the case
3-Sort your files
4-Exit
2

=====TERMINATE FILE=====

Enter name of person whose case has been terminated
javeria
Case of javeria Has been removed from your list

Want You want to do with your cases now
1-Insert file
2-Terminate the case
3-Sort your files
4-Exit
3

=====SORT FILES=====+=====

Your Files has been sorted Alphabetically
File 1 ----> aanik
File 2 ----> ahmad
File 3 ----> fatima
File 4 ----> saad
```

```
=====SORT FILES=====+=====

Your Files has been sorted Alphabetically
File 1 ---> aanik
File 2 ---> ahmad
File 3 ---> fatima
File 4 ---> saad

Want You want to do with your cases now
1-Insert file
2-Terminate the case
3-Sort your files
4-Exit
4

=====LIST OF FILE=====

File 1 ---> aanik
File 2 ---> ahmad
File 3 ---> fatima
File 4 ---> saad

THANK YOU
```

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