

# **“EMPLOYEE MANAGEMENT SYSTEM”**

## **INSTRUCTIONS:**

**The following program code shows the data of the employees which includes signing up to employee account, logging in to the employee account, entering, showing, searching, updating, deleting, log out and exiting the employee data**

## **PROGRAM CODE:**

```
#include<iostream>
#include<conio.h>
#include<fstream>
#include<windows.h>
using namespace std;
struct emp{
    string name,id,address;
    int salary,contact;
};
int total=0;
emp e[100];
fstream data;
void empdata(){
    int user=0;
    data.open("Employee data list.txt",ios::app);
    cout<<"How many employees data do you want to enter??"<<endl;
    cin>>user;
    if(data.is_open())
    {
        for(int i=total;i<total+user;i++){
            cout<<"Enter data of employee "<<i+1<<endl<<endl;
            cout<<"Enter employee name: ";
            cin>>e[i].name;
            cout<<"Enter id: ";
```

```

        cin>>e[i].id;
        cout<<"Enter address: ";
        cin>>e[i].address;
        cout<<"Enter contact: ";
        cin>>e[i].contact;
        cout<<"Enter salary: ";
        cin>>e[i].salary;
        data<<"\n Employee Data: "<<endl;
        data<<e[i].name<<endl;
        data<<e[i].id<<endl;
        data<<e[i].address<<endl;
        data<<e[i].contact<<endl;
        data<<e[i].salary<<endl;
    }
    total=total+user;
    data.close();
}
else
    cout<<"File not found"<<endl;
}

void show(){
    string ch;
    data.open("Employee data list.txt",ios::in);
    if(data.is_open())
    {
        while(!data.eof())
        {
            getline(data,ch);
            cout<<endl;
            cout<<ch;
        }
        cout<<endl;
    }
}

```

```

        data.close();
    }
    else
    {
        cout<<"File not found"<<endl;
    }
}

void search(){
    if(total!=0){
        string id;
        cout<<"Enter id of employee which you want to search"<<endl;
        cin>>id;
        for(int i=0;i<total;i++){
            if(e[i].id==id){
                cout<<"Data of employee "<<i+1<<endl;
                cout<<"Name: "<<e[i].name<<endl;
                cout<<"ID: "<<e[i].id<<endl;
                cout<<"Address: "<<e[i].address<<endl;
                cout<<"Contact: "<<e[i].contact<<endl;
                cout<<"Salary: "<<e[i].salary<<endl;
                break;
            }
            if(i==total-1){
                cout<<"No such record found"<<endl;
            }
        }
    }
    else{
        cout<<"No data is entered"<<endl;
    }
}

void update(){

```

```

if(total!=0){
string id;
cout<<"Enter id of employee which you want to update"<<endl;
cin>>id;
for(int i=0;i<total;i++){
    if(e[i].id==id){
        cout<<"Old data of employee "<<i+1<<endl;
        cout<<"Name: "<<e[i].name<<endl;
        cout<<"ID: "<<e[i].id<<endl;
        cout<<"Address: "<<e[i].address<<endl;
        cout<<"Contact: "<<e[i].contact<<endl;
        cout<<"Salary: "<<e[i].salary<<endl;
        cout<<"\nEnter new data"<<endl;
        cout<<"Enter employee name: ";
        cin>>e[i].name;
        cout<<"Enter id: ";
        cin>>e[i].id;
        cout<<"Enter address: ";
        cin>>e[i].address;
        cout<<"Enter contact: ";
        cin>>e[i].contact;
        cout<<"Enter salary: ";
        cin>>e[i].salary;
        break;
    }
    if(i==total-1){
        cout<<"No such record found"<<endl;
    }
}
}else{
    cout<<"No data is entered"<<endl;
}
}

```

```

}
void del(){
    if(total!=0){
        int press;
        cout<<"Press 1 to delete specific record"<<endl;
        cout<<"Press 2 to delete full record"<<endl;
        cin>>press;
        if(press==1){
            string id;
            cout<<"Enter id of employee which you want to delete"<<endl;
            cin>>id;
            for(int i=0;i<total;i++){
                if(e[i].id==id){
                    e[i].name=e[i+1].name;
                    e[i].id=e[i+1].id;
                    e[i].address=e[i+1].address;
                    e[i].contact=e[i+1].contact;
                    e[i].salary=e[i+1].salary;
                    total--;
                    cout<<"Your required record is deleted"<<endl;
                    break;
                }
                if(i==total-1){
                    cout<<"No such record found"<<endl;
                }
            }
        }
        else if(press==2){
            total=0;
            cout<<"All record is deleted"<<endl;
        }
        else{

```

```

        cout<<"Invalid Input"<<endl;
    }
}
else{
    cout<<"No data is entered"<<endl;
}
}
}
main()
{
    data<<" EMPLOY MANAGEMENT SYSTEM ";
    data.close();
    cout<<"\n\n\tEmployee Management System"<<endl;
    string username,password;
    cout<<"\n\n\n\t*****Signup*****"<<endl;
    cout<<"\t\tEnter new username: ";
    cin>>username;
    cout<<"\t\tEnter new password: ";
    cin>>password;
    cout<<"\t\tYour new id is creating please wait";
    for(int i=0;i<6;i++)
    {
        cout<<".";
        Sleep(500);
    }
    cout<<"\n\t\tYour id created successfully";
    Sleep(2000);
    start:
    system("CLS");
    string usrn,pswd;
    cout<<"\n\n\tEmployee Management System"<<endl;
    cout<<"\n\n\n\t LOGIN"<<endl;
    cout<<"\t\tEnter username: ";
    cin>>usrn;

```

```
cout<<"\t\tEnter password: ";
cin>>pswd;
if(usrn==username&&pswd==password)
{
system("CLS");
char ch;
while(1){
cout<<"\n\nPress 1 to enter data"<<endl;
cout<<"Press 2 to show data"<<endl;
cout<<"Press 3 to search data"<<endl;
cout<<"Press 4 to update data"<<endl;
cout<<"Press 5 to delete data"<<endl;
cout<<"Press 6 to logout"<<endl;
cout<<"Press 7 to exit"<<endl;
ch=getch();
system("CLS");
switch(ch){
    case '1':
        empdata();
        break;
    case '2':
        show();
        break;
    case '3':
        search();
        break;
    case '4':
        update();
        break;
    case '5':
        del();
        break;
```

```
        case '6':
            goto start;
            break;
        case '7':
            exit(0);
            break;
        default:
            cout<<"\aInvalid Input"<<endl;
            break;
    }
}
}
else if(usrn!=username)
{
    cout<<"\t\t\aInvalid username please try again";
    Sleep(3000);
    goto start;
}
else if(pswd!=password)
{
    cout<<"\t\t\aInvalid password please try again";
    Sleep(3000);
    goto start;
}
else{
    cout<<"\t\t\aInvalid username and password";
    Sleep(3000);
    goto start;
}
}
```



## OUTPUT:

```
C:\Users\it\Documents\laiba semester 1\employee management system.exe

Employee Management System

*****Signup*****
Enter new username: laiba
Enter new password: 888
```

```
C:\Users\it\Documents\laiba semester 1\employee management system.exe

Employee Management System

LOGIN
Enter username: laiba
Enter password:
```

```
C:\Users\it\Documents\laiba semester 1\employee management system.exe

Press 1 to enter data
Press 2 to show data
Press 3 to search data
Press 4 to update data
Press 5 to delete data
Press 6 to logout
Press 7 to exit
```

```
C:\Users\it\Documents\laiba semester 1\employee management system.exe

How many employees data do you want to enter??
1
Enter data of employee 1

Enter employee name: laiba
Enter id: 8
Enter address: acvbhn
Enter contact: 1111
Enter salary: 99999
```

```
C:\Users\it\Documents\laiba semester 1\employee management sy
Enter id of employee which you want to search
8
Data of employee 1
Name: laiba
ID: 8
Address: acubhn
Contact: 1111
Salary: 99999
```

```
C:\Users\it\Documents\laiba semester 1\employee management system.exe
Enter id of employee which you want to update
8
Old data of employee 1
Name: laiba
ID: 8
Address: acubhn
Contact: 1111
Salary: 99999

Enter new data
Enter employee name: ayesha
Enter id: 9
Enter address: ghujkil
Enter contact: 77867
Enter salary: 787878
```

```
C:\Users\it\Documents\laiba semester 1\employee management system.exe
Press 1 to delete specific record
Press 2 to delete full record
2
All record is deleted
```

```
Employee data list - Notepad
File Edit Format View Help
EMPLOY MANAGEMENT SYSTEM

Employ Data:
laiba
2
ihu
0
0

Employ Data:
sara
2
dfghjk
6767
3434

Employ Data:
ali
3
dfdfd
78787
89898

Employee Data:
```