Employee Management System

Project submitted to the

SRM University – AP, Andhra Pradesh

for the partial fulfillment of the requirements to award the degree of

Bachelor of Technology

In

Computer Science and Engineering

School of Engineering and Sciences

Submitted by

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Introduction Of Employee Management System

Employee Management System is a program that aims at storing , manipulating, deleting,updating employee data such as name , id, number , salary , address. Maintaining a hard copy is difficult for a employer so this program is developed to make it convinient for employer. In this program we first log in to the employee portal with an id and password then we work on the data of employee as required for the situation.

Methodology

Approach of function are owed in the leading platform.Below are the functions created as follow:

1) **empdata() :** This function is used to add the data of new employee. The data of employee are Name, Id, Address, Number, Salary.
2) **show() :** This function is used to print the data of all employee.
3) **search() :** This function is used to search and print the data of employee on the basis of given Id number. If Id not found it will print not found.
4) **update():** This function is used to search the employee on the basis of Id given and update the data of that employee. If Id not found it will print not found.
5) **del():** This function will give two option one to delete single entry of employee other entire entry of employee. Simply this function is called to delete employee data.
6) **main():** Firstly in main function you need to sign up and then log into the employee portal after logging in user will be prompted to call the above mentioned function according to need and user desired function will be called.

Source code

```
#include<iostream>

#include<conio.h>

#include<windows.h>

using namespace std;

struct emp{

        string name,id,address;

        long long salary,contact;

};

int total=0;

emp e[100];

void empdata(){

        int user=0;
```

```
cout<<"How many employees data do you want to enter??"<<endl;

cin>>user;

for(int i=total;i<total+user;i++){
        cout<<endl<<"---------------"<<endl;



        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;

        }

        total=total+user;

}

void show(){

        if(total!=0){

        for(int i=0;i<total;i++){
            cout<<endl<<"-----------------"<<endl;


            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;

        }

    }

    else{

        cout<<"No data is entered"<<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(){

        cout<<"\n\n\t\tEmployee Management System"<<endl;
```

```
    string username,password;

cout<<"\n\n\n\t\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\t\tEmployee Management System"<<endl;

cout<<"\n\n\n\t\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':
```

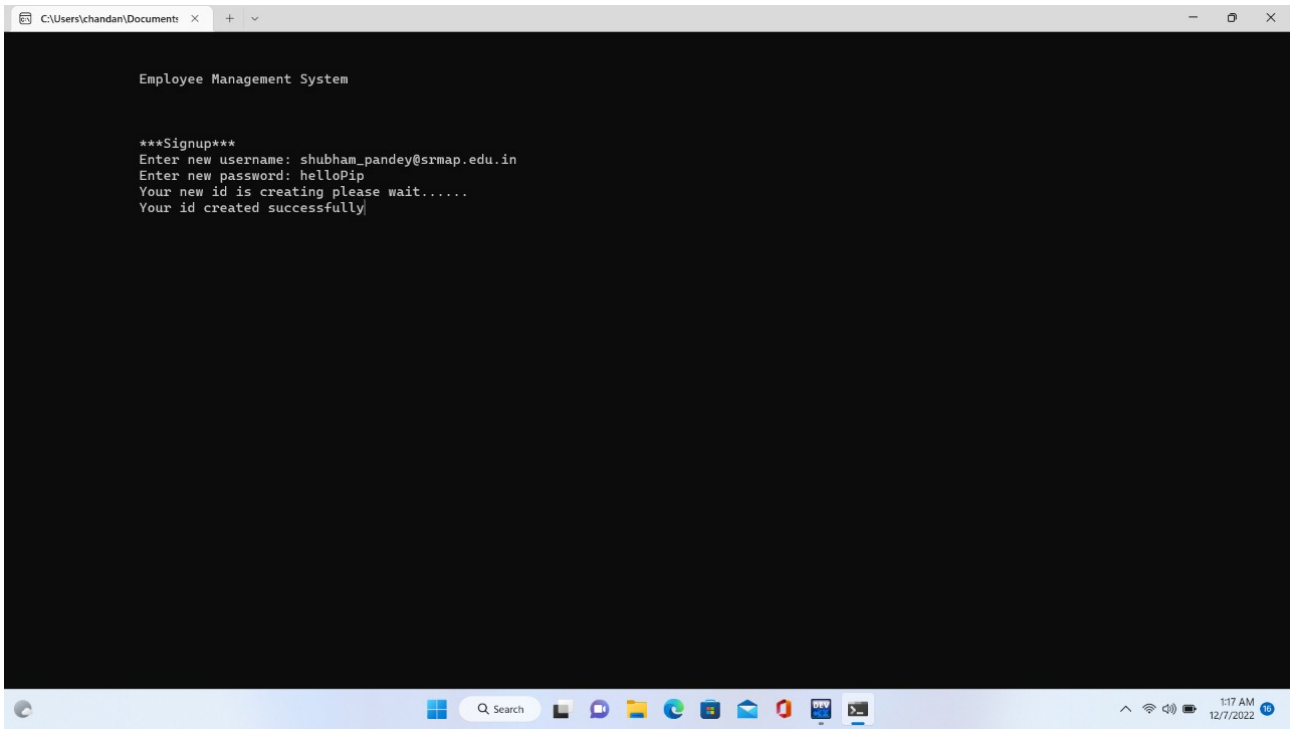
```
            empdata();

            break;

        case '2':

            show();

            break;

        case '3':

            search();

            break;

        case '4':

            update();

            break;

        case '5':

            del();
```

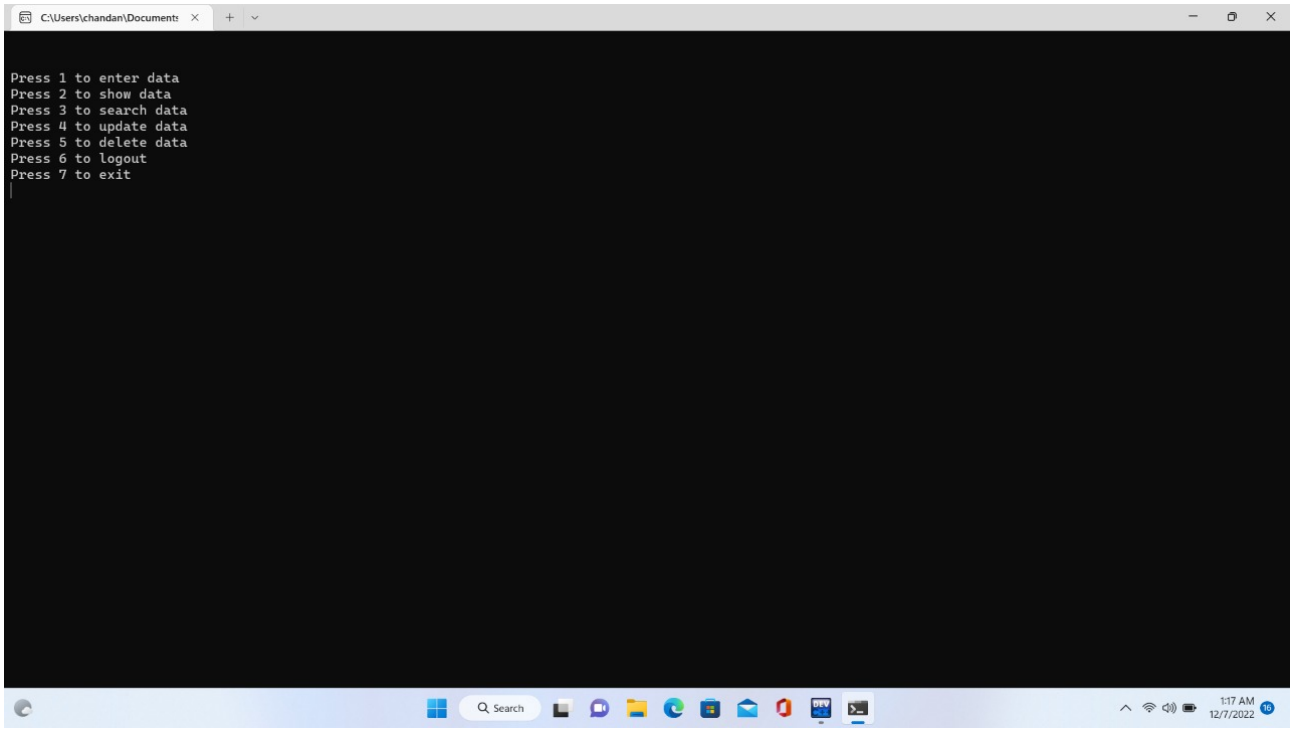
```
                    break;

                case '6':

                    goto start;

                    break;

                case '7':

                    exit(0);

                    break;

                default:

                    cout<<"\aInvalid Input"<<endl;

                    break;

        }

}

}
```

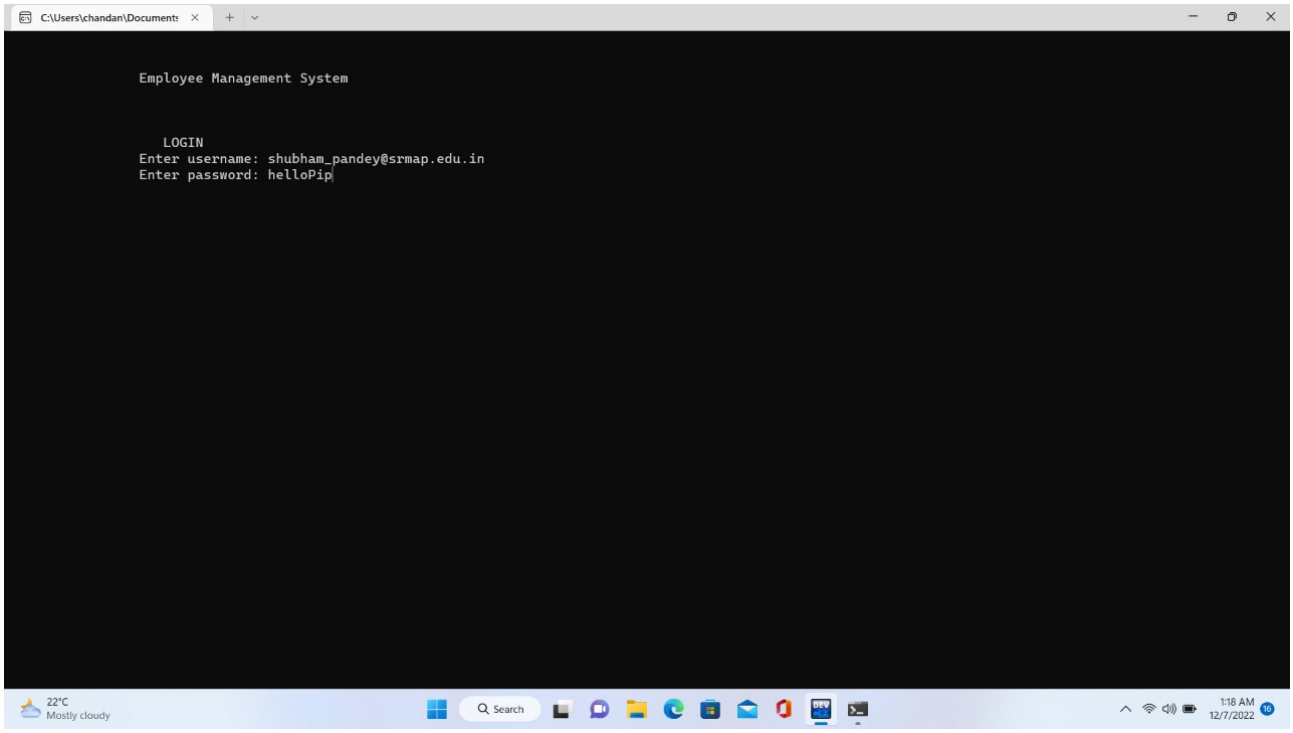
```
else if(usrn!=username)

{

        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{
```

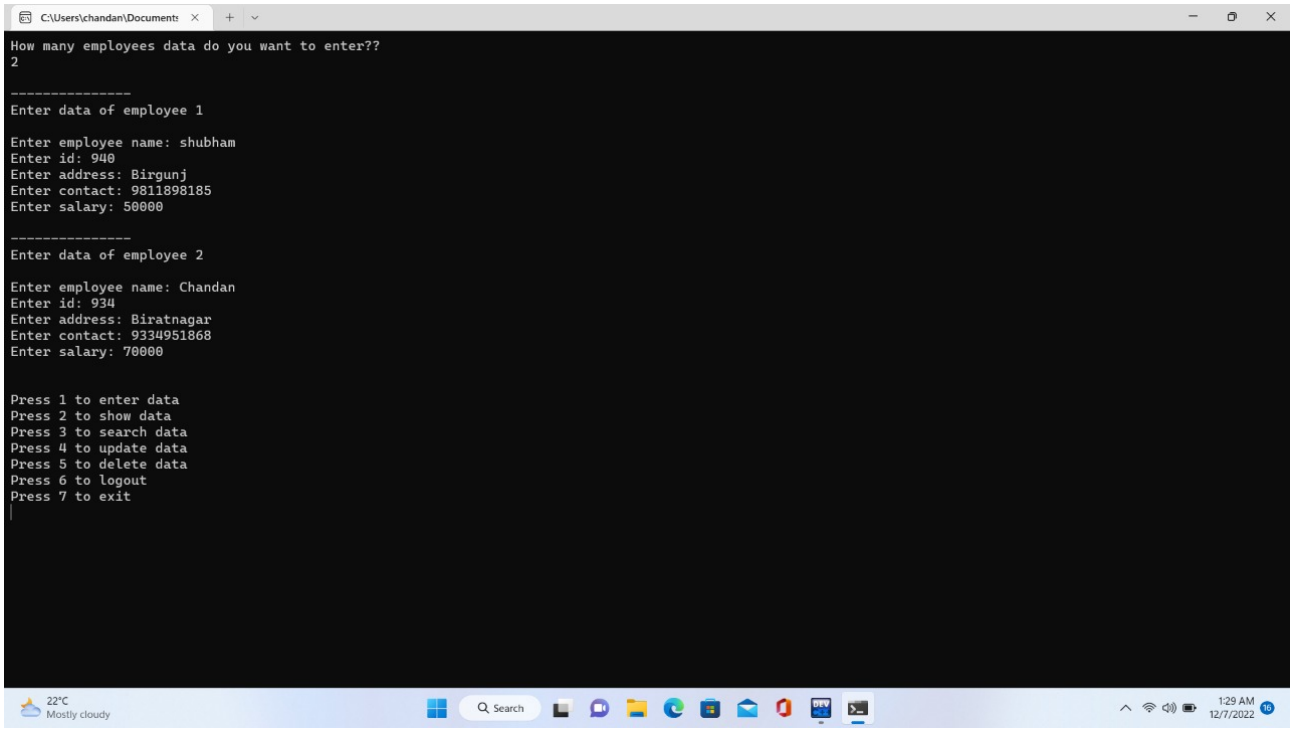
```
        cout<<"\t\t\aInvalid username and password";

        Sleep(3000);

        goto start;

    }

}
```

OUTPUT



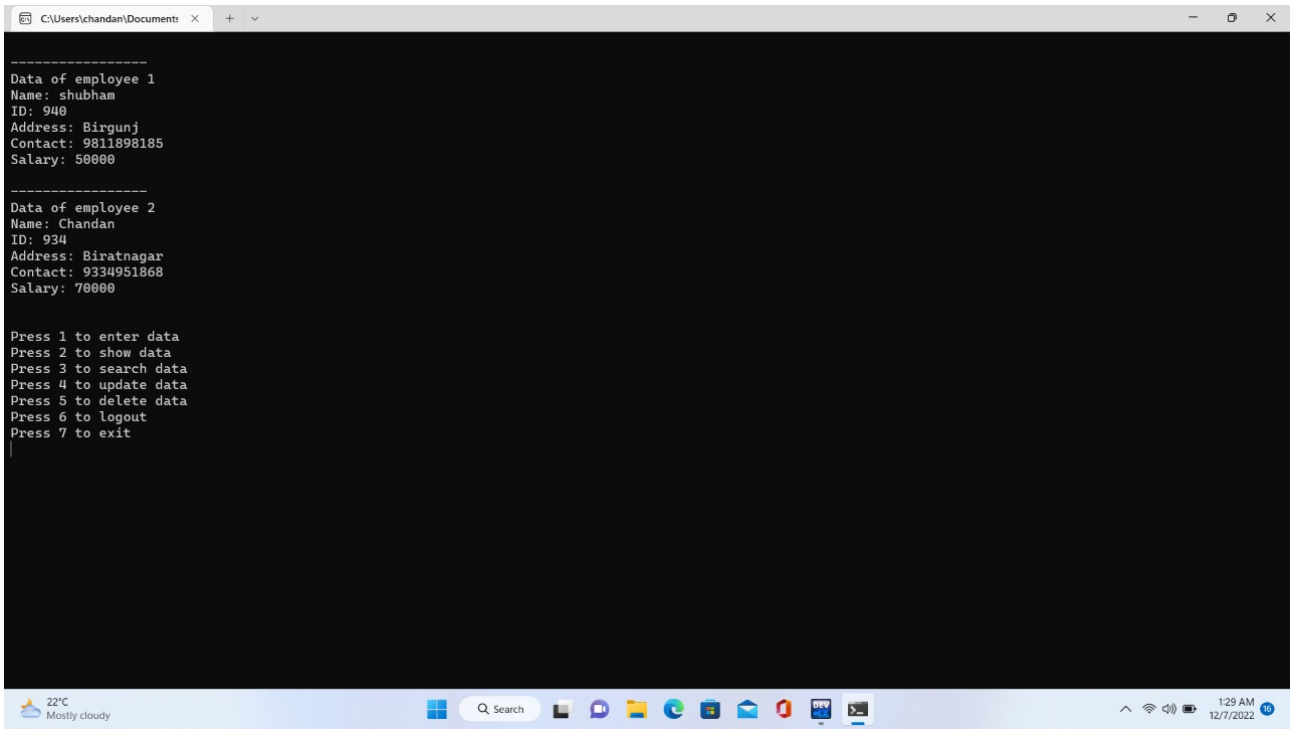

C:\Users\chandan\Documents
Press 1 to enter data
Press 2 to show data
Press 3 to search data
Press 4 to update data
Press 5 to delete data
Press 6 to logout
Press 7 to exit
Search
1:17 AM
12/7/2022


C:\Users\chandan\Documents
Employee Management System
LOGIN
Enter username: shubham_pandey@srmap.edu.in
Enter password: helloPip
22°C
Mostly cloudy
Search
1:18 AM
12/7/2022


C:\Users\chandan\Documents
How many employees data do you want to enter??
2

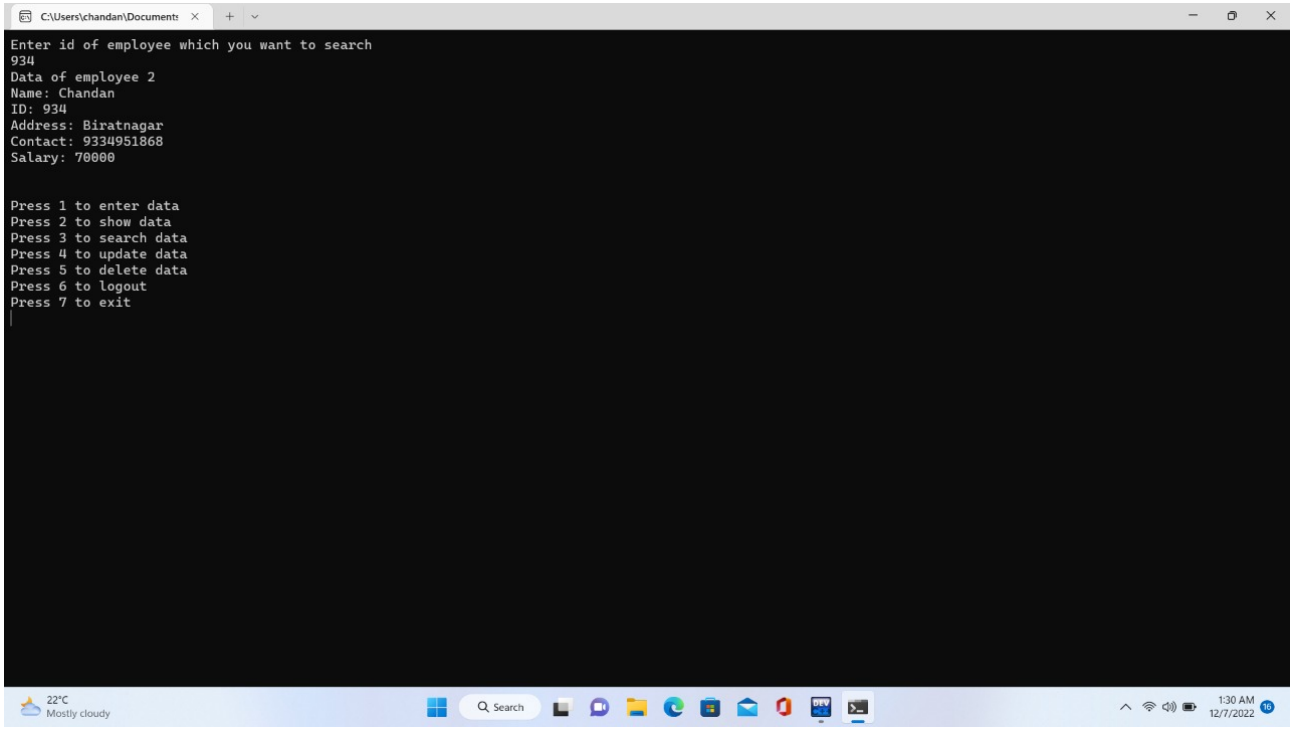
Enter data of employee 1
Enter employee name: shubham
Enter id: 940
Enter address: Birgunj
Enter contact: 9811898185
Enter salary: 50000

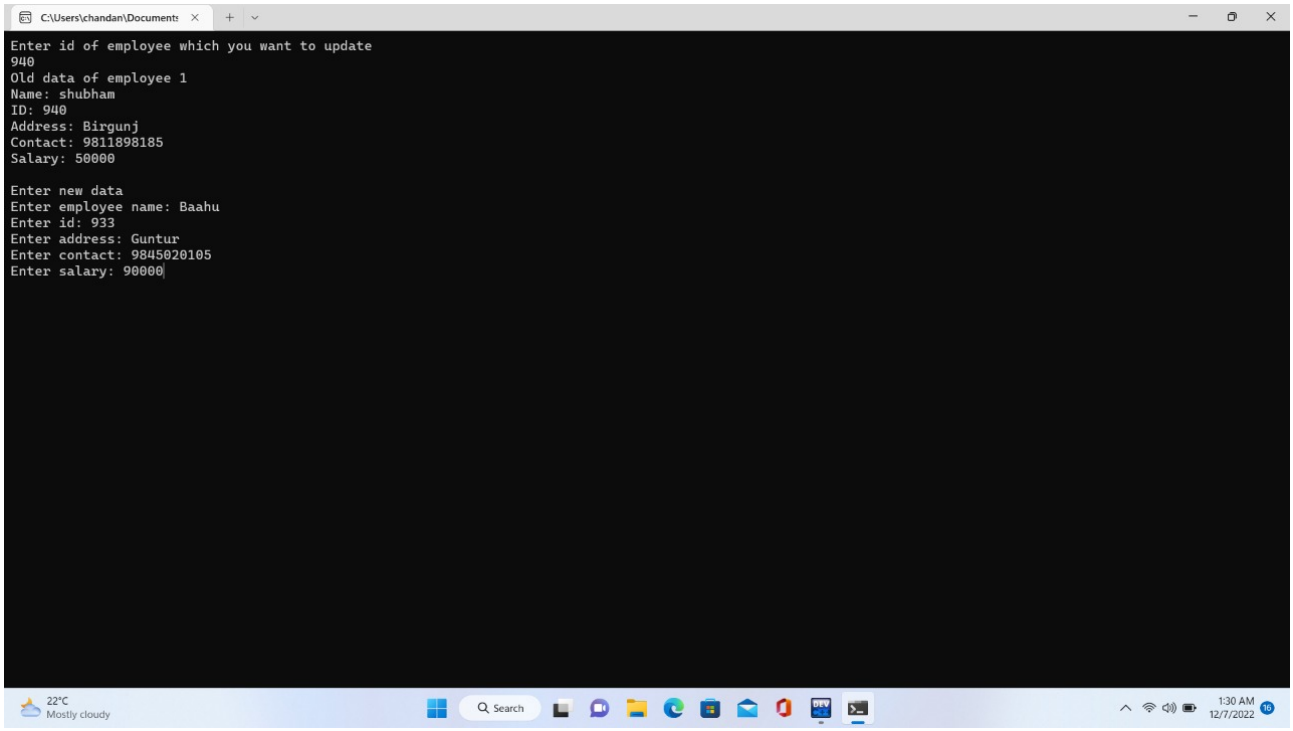
Enter data of employee 2
Enter employee name: Chandan
Enter id: 934
Enter address: Biratnagar
Enter contact: 9334951868
Enter salary: 70000
Press 1 to enter data
Press 2 to show data
Press 3 to search data
Press 4 to update data
Press 5 to delete data
Press 6 to logout
Press 7 to exit
22°C
Mostly cloudy
Search
1:29 AM
12/7/2022

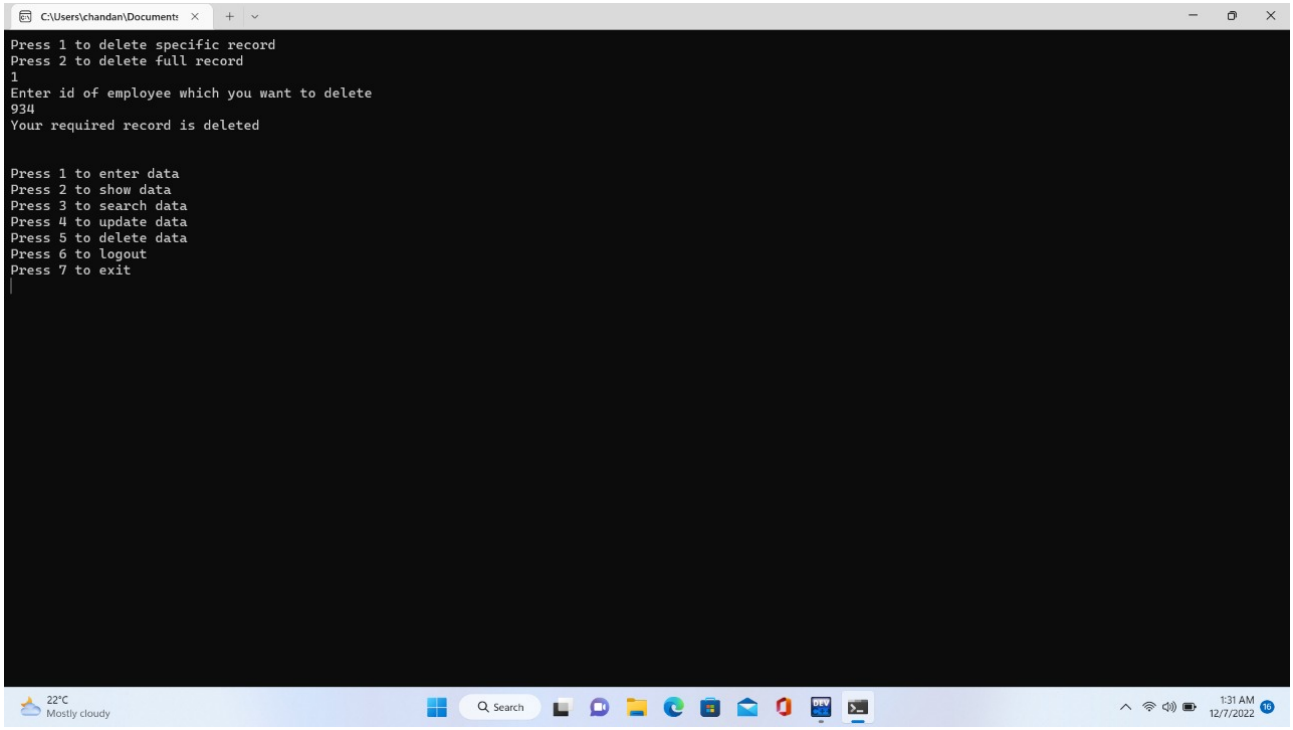

C:\Users\chandan\Documents

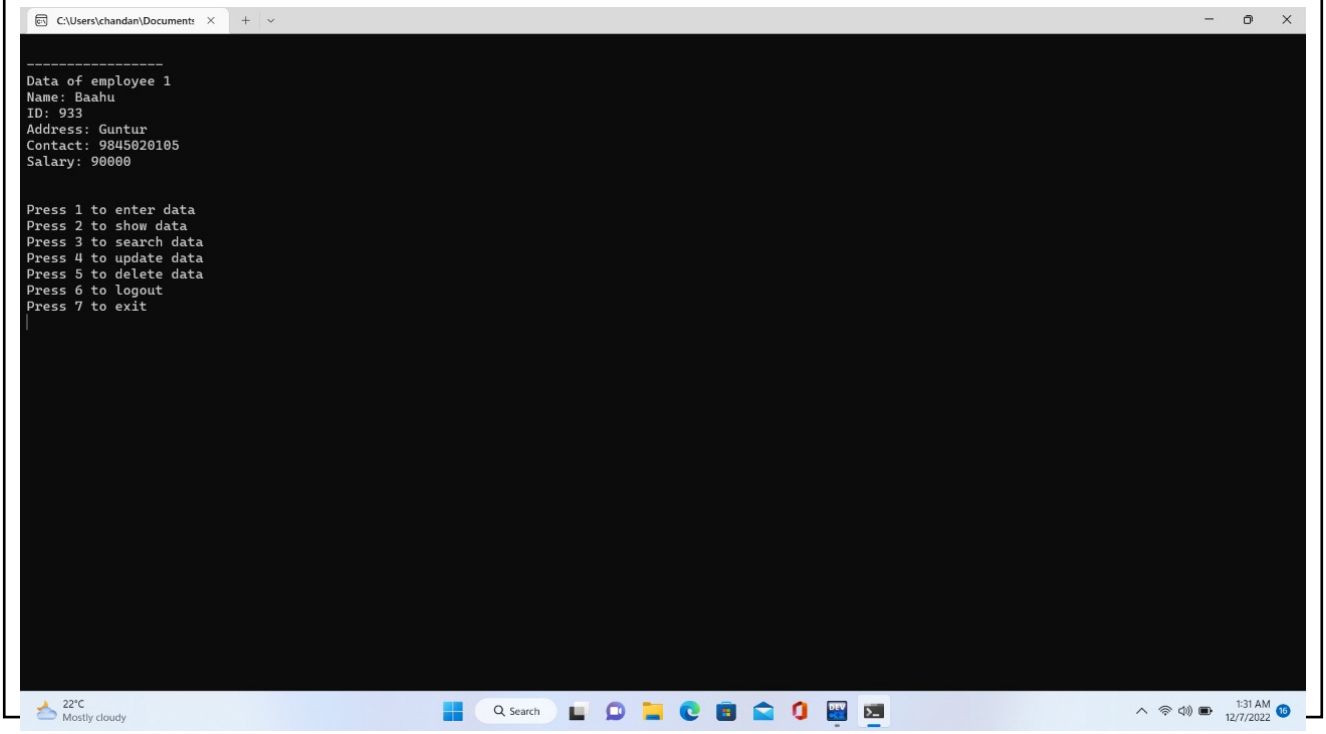
Data of employee 1
Name: shubham
ID: 940
Address: Birgunj
Contact: 9811898185
Salary: 50000

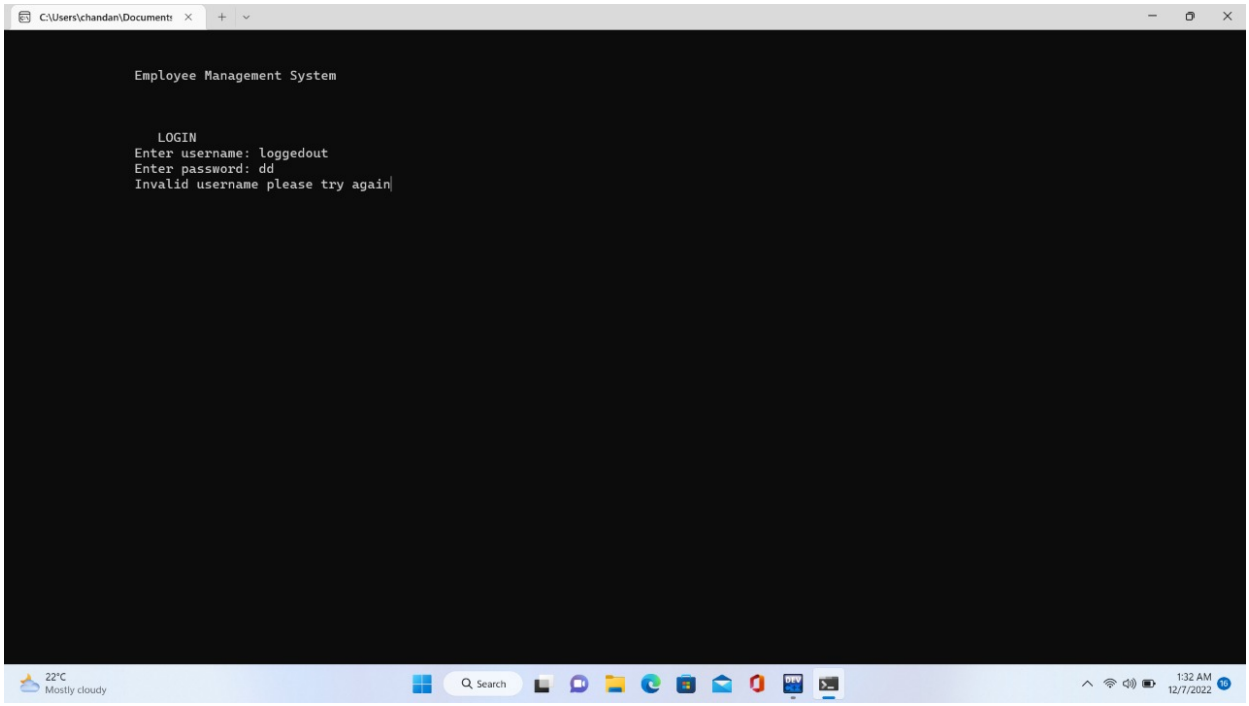
Data of employee 2
Name: Chandan
ID: 934
Address: Biratnagar
Contact: 9334951868
Salary: 70000
Press 1 to enter data
Press 2 to show data
Press 3 to search data
Press 4 to update data
Press 5 to delete data
Press 6 to logout
Press 7 to exit
22°C
Mostly cloudy
Search
1:29 AM
12/7/2022


C:\Users\chandan\Documents
Enter id of employee which you want to search
934
Data of employee 2
Name: Chandan
ID: 934
Address: Biratnagar
Contact: 9334951868
Salary: 70000
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
22°C
Mostly cloudy
Search
1:30 AM
12/7/2022


C:\Users\chandan\Documents
Enter id of employee which you want to update
940
Old data of employee 1
Name: shubham
ID: 940
Address: Birgunj
Contact: 9811898185
Salary: 50000
Enter new data
Enter employee name: Baahu
Enter id: 933
Enter address: Guntur
Enter contact: 9845020105
Enter salary: 90000
22°C
Mostly cloudy
Search
1:30 AM
12/7/2022


C:\Users\chandan\Documents
Press 1 to delete specific record
Press 2 to delete full record
1
Enter id of employee which you want to delete
934
Your required record is deleted
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
22°C
Mostly cloudy
Search
1:31 AM
12/7/2022


C:\Users\chandan\Documents
Data of employee 1
Name: Baahu
ID: 933
Address: Guntur
Contact: 9845020105
Salary: 90000
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
22°C
Mostly cloudy
Search
1:31 AM
12/7/2022


C:\Users\chandan\Document
Employee Management System
LOGIN
Enter username: loggedout
Enter password: dd
Invalid username please try again
22°C
Mostly cloudy
Search
1:32 AM
12/7/2022

Thank You!