```cpp
 1    #include<iostream>
 2    #include<string>
 3    #include<windows.h>
 4    using namespace std;
 5    class Employee{
 6        public:
 7        string arr[10][9],b;
 8        int a=0;
 9 >      void new_emp(){ ...
38 >      void display_emp(){ ...
72
73        void loe(){
74            system("cls");
75            cout<<"---------------------------------------\n";
76            cout<<"\tTotal Number of employees in the company are: "<<a;
77            cout<<"\n---------------------------------------\n";
78        }
79        void salary_slip(){
80            system("cls");
81            int d,m,y;
82            string x;
83            cout<<"\nenter employee code:";
84            cin>>x;
85            date:
86            cout<<"enter Today's Date\ndate :";
87            cin>>d;if(d>31){cout<<"\n--\ninvalid date\n--\n";goto date;}
88            month:
89            cout<<"\nMonth:";
90            cin>>m;if(m>12 || m<0){cout<<"\n--\ninvalid Month\n--\n";goto month;}
91            year:
92            cout<<"\nYear:";
93            cin>>y;if(y<1900 || y>3000){cout<<"\n--\ninvalid year\n--\n";goto year;}
94            for(int i=0;i<(a+1);i++){
95                if(arr[i][0]==x){
96                    cout<<"\nemployee is found\n";
97                    cout<<"\n**********************************************\n";
98                    cout<<"\n\t\tSALARY SLIP\n";
99                    cout<<"\n**********************************************\n";
100
101                   cout<<"\nDate :                    ";
102                   cout<<d<<"-"<<m<<"-"<<y<<endl;
103                   cout<<"\nName:                     ";
104                   cout<<arr[i][1];
105                   cout<<"\nDesignation:              ";
106                   cout<<arr[i][8];
107                   cout<<"\nGrade:                    ";
108                   cout<<arr[i][5];
109                   cout<<"\nDate of Joining:          ";
110                   cout<<arr[i][4];
111                   cout<<"\nBasic Pay:                ";
112                   cout<<arr[i][6];
113                   cout<<"\n**********************************************\nRemarks: Good and Hard Working\n";
114                   cout<<"\n**********************************************\n";
115
116               }
117               else{
118                   continue;
119               }
120           }
121
122       }
123 >     void delete_record(){ ...
150 >     void modify_record(){ ...
198
123       void delete_record(){
124           system("cls");
125
126           string ecode;
127           cout<<"\nEnter employee code to delete :";
128           cin>>ecode;
129           for(int i=0;i<a;i++){
130
131               if(arr[i][0]==ecode){
132
133                   cout<<"\nrecord found...\n";
134                   cout<<"deleting record...\n";
135
136                   a=a-1;
137                   for(int j=i;j<(a+1);j++){
138                       for(int z=0;z<9;z++){
139                           arr[j][z]=arr[j+1][z];
140                       }
141                   }
142                   cout<<"\nRecord Deleted successfully....\n";
143
144               }
145               else{
146                   cout<<"Record not found:\n";
147               }
148           }
149       }
150       void modify_record(){
151           system("cls");
152           string h;
153           int ch;
154           cout<<"\nEnter employee code to modify:  ";
```

```cpp
                cin>>h;
            for(int c=0;c<a;c++){
                if(arr[c][0]==h){
                    cout<<"\nEmployee found\n";
                    cout<<"Choice Record to modify\n1.Name\n2.Add\n3.Phone Number\n4.Joining Date\n5.Designation\n6.Grade\n7.Basic Pay\n8.Loan\nchoic
                    cin>>ch;
                    if(ch==1){
                        cout<<"\nenter name: ";
                        cin>>arr[c][1];
                    }
                    else if(ch==2){
                        cout<<"\nenter address: ";
                        cin>>arr[c][2];
                    }
                    else if(ch==3){
                        cout<<"\nenter Phone: ";
                        cin>>arr[c][3];
                    }
                    else if(ch==4){
                        cout<<"\nenter Date Of Joining: ";
                        cin>>arr[c][4];
                    }
                    else if(ch==5){
                        cout<<"\nenter Designation: ";
                        cin>>arr[c][8];
                    }
                    else if(ch==6){
                        cout<<"\nenter Grade: ";
                        cin>>arr[c][5];
                    }
                    else if(ch==7){
                        cout<<"\nenter Basic Pay: ";
                        cin>>arr[c][6];

                    }
                    else if(ch==8){
                        cout<<"\nenter Loan: ";
                        cin>>arr[c][7];
                    }
                }
            }

        }

};

class editmenu:public Employee{
    public:
    int choice;
    void menu(){
        system("cls");
        cout<<"\n******************************************\nwelcome to Edit Menu\n******************************************\n";
        cout<<"\n\t1.Delete\n\t2.Modify Record\n\t3.Exit\n\n\tchoice: ";
        cin>>choice;

        if(choice==1){
            system("cls");
            delete_record();
        }
        else if(choice==2){
            system("cls");
            modify_record();
        }
        else if(choice==3){
            system("cls");
            exit(0);
            //break;
        }
    }
};


class signin{
    public:
    string user,password;
    signin(){
        cout<<"\n\n\t\t******************************************\n\t\tCreate your account   ";
        cout<<"\n\t\t******************************************\n\t\tusername : ";
        cin>>user;
        cout<<"\t\tPassword : ";
        cin>>password;
        cout<<"\n\t\t******************************************\n\t\tCreating your account";
        for(int i=0;i<7;i++){
            cout<<".";
            Sleep(500);
        }
        Sleep(1000);
    }
    bool login(){...
};
```

```cpp
    bool login(){
        system("cls");
        string U,pass;
        start:
        cout<<"\n\n\t\t***************************************\n\t\tlog into your account  ";
        cout<<"\n\t\t***************************************\n\t\tusername : ";
        cin>>U;
        cout<<"\t\tPassword : ";
        cin>>pass;
        if(U==user && pass==password){
            cout<<"\n\t\t***************************************\n\t\tlogin successfully\n";
            Sleep(1000);
            return true;
        }
        else{
            system("cls");
            cout<<"\n\t\t***************************************\n\t\tInvalid User name and password\n";
            cout<<"\n\t\t***************************************\n\t\tRetry :-) ";
            goto start;
        }
    }
};


class Interface:public editmenu,public signin{

    public:
    int x;
    void execute(){
    system("cls");
    while(true){
    cout<<"_____"<<endl;
    cout<<"\n\t    Edushark Pvt ltd."<<endl;
    cout<<"_____\n";
    cout<<"\n\t1.New Employee.\n\t2.Display Employee.\n\t3.List Of Employees.\n\t4.Salary Slip.\n\t5.Edit\n\t6.Quit\t\n";
    cout<<"_____\n";
    cout<<"\n\tEnter your choice:--  ";
    cin>>x;
    if(x==1){
        system("cls");
        new_emp();
    }
    else if(x==2){

        display_emp();
    }
    else if(x==3){
        system("cls");
        loe();
    }
    else if(x==4){
        system("cls");
        salary_slip();
    }
    else if(x==5){
        system("cls");
        menu();
    }
    else if(x==6){
        exit(0);
        break;
    }



    }

    // switch(x){
    //     case 1:
    //         Employee e;
    //         e.new_emp();
    //         break;
    //     case 2:
    //         Employee e;
    //         e.display_emp();
    // }


    }
};

int main(){
    Interface i;
    //i.login();
    if(i.login()==true){
        i.execute();
    }
    return 0;
}
```