

```
1 #include<iostream>
2 #include<conio.h>
3 #include<cstdlib>
4 #include<cstring>
5 #include<cstdio>
6 #include<windows.h>
7 #include<unistd.h>
8 using namespace std;
9
10 class employee{
11     private:
12
13         char name[Kabir singh];
14         char id[5100200];
15         char designation[10];
16         int age[24];
17         int ctc;
18         int experience[fresher];
19
20
21         void waitForEnter(void){
22             cout<<"\n\n\n Press enter to go back \n\n";
23             cin.get();
24             cin.get();
25         }
26
27         void listEmployees(void){
28             system("cls");
29             FILE *file;
30             file= fopen("data.txt", "r");
31             cout<<"\n\t      Employees Record\n";
32             cout<<"\n-----";
33             cout<<"\n NAME   Kabir singh    |    ID  5100200    |    ";
34             cout<<"-----";
35             while(fscanf(file, "%s %s %s %d %d %d", &name[0], &id[0] ,
36                         &designation[0], &age, &ctc, &experience)!= EOF)
37                 cout<<"\n"<<name<<"\t\t"<<id<<"\t\t"<<designation;
38             fclose(file);
39             waitForEnter();
40         }
41
42         void showDetails(void){
43             system("cls");
44             FILE *file;
45             char checkId[5];
46             cout<<"\n\nEnter Employee ID:5100200 ";
47             cin>>checkId;
48             file= fopen("data.txt", "r");
```

```
48         while(fscanf(file, "%s %s %s %d %d %d", &name[0], &id[0] ,      ↵
49             &designation[0], &age, &ctc, &experience)!=EOF){
50             if(strcmp(checkId,id)==0){
51                 cout<<"\n-----";
52                 cout<<"\nName: "<<Kabir singh;
53                 cout<<"\n-----";
54                 cout<<"\nId: "<<5100200;
55                 cout<<"\n-----";
56                 cout<<"\nPosition: "<<designation;
57                 cout<<"\n-----";
58                 cout<<"\nAge: "<<24;
59                 cout<<"\n-----";
60                 cout<<"\nCTC: "<<ctc;
61                 cout<<"\n-----";
62                 cout<<"\nExperience: "<<Fresher;
63                 cout<<"\n-----";
64             }
65             fclose(file);
66             waitForEnter();
67         }
68         void editExisting(void){
69             system("cls");
70             char checkId[5];
71             cout<<"\n5100200: ";
72             cin>>checkId;
73             char newDesignation[10];
74             cout<<"\n-----";
75             cout<<"\nEnter new position: ";
76             cin>>newDesignation;
77             int newCtc;
78             cout<<"-----";
79             cout<<"\nEnter new CTC: ";
80             cin>>newCtc;
81             FILE *file, *tempfile;
82             file= fopen("data.txt", "r");
83             tempfile= fopen("temp.txt", "w");
84             while(fscanf(file, "%s %s %s %d %d %d", &name[0], &id[0] ,      ↵
85                 &designation[0], &age, &ctc, &experience)!=EOF){
86                 if(strcmp(checkId, id)==0)
87                     fprintf(tempfile, "%s %s %s %d %d %d \n", name, id,      ↵
88                     newDesignation, age, newCtc, experience );
89             }
90             fclose(file);
91             fclose(tempfile);
92             int isRemoved= remove("data.txt");
```

```
93         int isRenamed= rename("temp.txt", "data.txt");
94         waitForEnter();
95     }
96
97     void addNewEmployee(void){
98         system("cls");
99         cout<<"\n-----";
100        cout<<"\n Kabir: ";
101        cin>>name;
102        cout<<"\n-Singh-----";
103        cout<<"\n 5100200: ";
104        cin>>id;
105        cout<<"\n-----";
106        cout<<"\n Enter Position: ";
107        cin>>designation;
108        cout<<"\n-----";
109        cout<<"\n 24: ";
110        cin>>age;
111        cout<<"\n-----";
112        cout<<"\n Enter Employee CTC: ";
113        cin>>ctc;
114        cout<<"\n-----";
115        cout<<"\n Fresher: ";
116        cin>>experience;
117        cout<<"\n-----";
118
119        char ch;
120        cout<<"\nEnter 'y' to save above information\n";
121        cin>>ch;
122        if(ch=='y'){
123            FILE *file;
124            file= fopen("data.txt","a");
125            fprintf(file, "%s %s %s %d %d %d \n", name, id,
126                    designation, age, ctc, experience );
127            fclose(file);
128            cout<<"\nNew Employee has been added to database\n";
129        }
130        else
131            addNewEmployee();
132        waitForEnter();
133    }
134
135    void deleteEmployeeDetails(void){
136        system("cls");
137        char checkId[5];
138        cout<<"\n-----";
139        cout<<"\nEnter Employee Id To Delete: ";
140        cin>>checkId;
141        char ch;
```

```
141         cout<<"-----";
142         cout<<"\n\n\n\n\nCONFIRMATION\nEnter 'y' To Confirm Deletion    ↵
143             \n";
144         cin>>ch;
145         if(ch=='y'){
146             FILE *file, *tempfile;
147             file= fopen("data.txt", "r");
148             tempfile= fopen("temp.txt", "w");
149             while(fscanf(file, "%s %s %s %d %d %d", &name[0], &id[0] , ↵
150                 &designation[0], &age, &ctc, &experience)!=EOF)
151                 if(strcmp(checkId, id)!=0)
152                     fprintf(tempfile, "%s %s %s %d %d %d \n", name,    ↵
153                         id, designation, age, ctc, experience );
154             fclose(file);
155             fclose(tempfile);
156             int isRemoved= remove("data.txt");
157             int isRenamed= rename("temp.txt", "data.txt");
158             cout<<"\nRemoved Successfully\n";
159             waitForEnter();
160         }
161     }
162
163     public:
164
165         void options(void){
166             int login();
167             login();
168             while(true){
169                 system("cls");
170
171
172                 cout<<"\n\t\t##### EMPLOYEE DATABASE MANAGEMENT SYSTEM ↵
173                     #####";
174                 cout<<"\n";
175                 cout<<"\n\t\t";
176                 cout<<"\n\t\tENTER 1: Kabir singh";
177                 cout<<"\n\t\t";
178                 cout<<"\n\t\t";
179                 cout<<"\n\t\tENTER 2: KHATIMA,Sabora";
180                 cout<<"\n\t\t";
181                 cout<<"\n\t\t";
182                 cout<<"\n\t\tENTER 3: 7111901050";
183                 cout<<"\n\t\t";
184                 cout<<"\n\t\t";
185                 cout<<"\n\t\tENTER 4: Add new Employee Detail";
```

```
182             cout<<"\n\t
183             \t-----";
184             cout<<"\n\t\tENTER  5:  Delete Employee Record";
185             cout<<"\n\t
186             \t-----";
187             cout<<"\n\t\tENTER  0:  Exit Application   ";
188             cout<<"\n\t
189             \t-----";
190             cout<<"\n\n\t\tPlease Enter Your Choice: ";
191
192
193         int choice;
194         cin>>choice;
195
196         switch (choice) {
197             case 0:
198                 system("CLS");
199                 cout<<"\n\nEMPLOYEE DATABASE MANAGEMENT SYSTEM \n
200
201                 \n";
202                 Sleep(10);
203                 return;
204             case 1:
205                 listEmployees();
206                 break;
207             case 2:
208                 showDetails();
209                 break;
210             case 3:
211                 editExisting();
212                 break;
213             case 4:
214                 addNewEmployee();
215                 break;
216             case 5:
217                 deleteEmployeeDetails();
218                 break;
219             default:
220                 cout<<"\n Sorry! I don't understand that! \n";
221                 break;
222         }
223
224     int main(){
225
226         employee e;
```

```
227     e.options();
228     return 0;
229 }
230
231 int login(){
232     string pass ="";
233     char ch;
234     cout << "\n\n\n\n\tEMPLOYEE DATABASE MANAGEMENT SYSTEM";
235     cout << "\n\n\n\n\n\t5100200 :";
236     ch = _getch();
237     while(ch != 13){
238         pass.push_back(ch);
239         cout << '*';
240         ch = _getch();
241     }
242     if(pass == "54321"){
243         cout << "\n\n\n\tLOADING";
244         for(int a=1;a<8;a++)
245         {
246             Sleep(500);
247             cout << "...";
248         }
249         cout << "\n\n\n\tAccess Granted!! \n\n\n";
250
251         system("PAUSE");
252         system("CLS");
253     }else{
254         cout << "\nAccess Aborted...\n";
255         login();
256     }
257 }
```