#include<iostream>

#include<iomanip>

using namespace std;

void search\_id(int);

void search\_user\_id(int);

void highest\_salary(int);

void lowest\_salary(int);

void display\_all\_record(int);

void salarygreater30(int);

void salarygreater10less3(int);

void display\_main(int);

void display\_user\_all\_record(int);

void update\_salary(int);

void display\_usermain(int);

struct data

{

string name;

string id;

int salary;

int tax;

}emp[100];

int main()

{

int n,random=1;

cout<<setw(60)<<"\*\*\*\*\*Abacus Software House Data\*\*\*\*\*\n\n\n\n\n ";

cout<<"How many employees data you want to apply :";

cin>>n;

do{

for(int i=1;i<=n;i++)

{

cout<<"Input Employee <"<<i<<"> name :";

cin>>emp[i].name;

cout<<"\n\nInput Employee <"<<i<<"> I.D :";

cin>>emp[i].id;

cout<<"\n\ninput Employee <"<<i<<"> Salary :";

cin>>emp[i].salary;

cout<<"\n\nInput Employee <"<<i<<"> Salary Tax :";

cin>>emp[i].tax;

cout<<"\n";

}

}while(random!=1);

cout<<"\n\n If you are 'Admin' then press '1' and if you are user then press '0' :";

int check;

cin>>check;

if(check==1)

{

display\_main(n);

}

else if(check==0)

{

display\_usermain(n);

}

else

{

cout<<"\nThankyou";

}

}

void display\_main(int n)

{ int password;

cout<<"\nInput Password :";

cin>>password;

if(password==1234)

{

cout<<setw(60)<<"\*\*\*\*\*Admin\*\*\*\*\*";

cout<<setw(60)<<"\n\n\nChoose";

cout<<"\nPress A to search employee information by I.D";

cout<<"\nPress B to check the highest salary person ";

cout<<"\nPress C to check the lowest salary person";

cout<<"\nPress D to Update Salary";

cout<<"\nPress E to Display All record";

cout<<"\nPress F to show the employee whos salary is greater then 30 thousand";

cout<<"\nPress G to show the employee whos salary is greater the 10 thousand but less the 30 thousand";

cout<<"\nPress 1 To Go to the main menu again :";

cout<<"\nENTER :";}

else

{

cout<<"\n\nIncorrect password :";

display\_main(n);

}

char press;

cin>>press;

switch(press)

{

case 'a':case 'A':

{

search\_id(n);

break;

}

case 'b':case 'B':

{

highest\_salary(n);

}

case 'c':case 'C':

{

lowest\_salary(n);

}

case 'd':case 'D':

{

update\_salary(n);

}

case 'e':case 'E':

{

display\_all\_record(n);

}

case 'f':case 'F':

{

salarygreater30(n);

}

case 'g':case 'G':

{

salarygreater10less3(n);

}

case '1':

{

display\_main(n);

}

}

}

void display\_usermain(int n)

{

cout<<setw(60)<<"\*\*\*\*\*User Options\*\*\*\*\*";

cout<<setw(60)<<"\n\n\nChoose";

cout<<setw(10)<<"You are not elegiable to update anything ";

cout<<"\n\n\nPress A to search employee information by I.D";

cout<<"\nPress B to Display All Employee record list ";

cout<<"\nEnter :";

char press;

cin>>press;

switch(press)

{

case 'a':case 'A':

{

search\_user\_id(n);

break;

}

case 'b':case 'B':

{

display\_user\_all\_record(n);

}

}

}

void search\_id(int n)

{

string id;

int c,t=0,press;

cout<<"Input Your I.D :";

cin>>id;

for(int i=1;i<=n;i++)

{

if(emp[i].id==id)

{

c=i;

t=1;

}

}

if(t==1)

{

cout<<"\n\n";

cout<<"Employee ID :"<<emp[c].id<<setw(10)<<"Name "<<emp[c].name<<setw(20)<<"Salary "<<emp[c].salary<<setw(30)<<"Tax "<<emp[c].tax;

}

if(t==0)

{cout<<"\t No record found \n:";

}

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}}

void search\_user\_id(int n)

{

int c,t=0,press;

string id;

cout<<"Input Your I.D :";

cin>>id;

for(int i=1;i<=n;i++)

{

if(emp[i].id==id)

{

c=i;

t=1;

}

}

if(t==1)

{

cout<<"\n\n";

cout<<"Employee ID :"<<emp[c].id<<setw(10)<<"Name "<<emp[c].name<<setw(20)<<"Salary "<<emp[c].salary<<setw(30)<<"Tax "<<emp[c].tax;

}

if(t==0)

{cout<<"\t No record found \n:";

}

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_usermain(n);

}

else

{

cout<<"Thankyou ";

}

}

void display\_user\_all\_record(int n)

{ int press;

for(int c=1;c<=n;c++)

{

cout<<"\n\n";

cout<<"Employee ID :"<<emp[c].id<<setw(10)<<"Name "<<emp[c].name<<setw(20)<<"Salary "<<emp[c].salary<<setw(25)<<"Tax "<<emp[c].tax;

cout<<"\n\n";

}

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_usermain(n);

}

else

{

cout<<"Thankyou ";

}

}

void highest\_salary(int n)

{

int c=1,press;

int max;

max=emp[1].salary;

for(int i=1;i<=n;i++)

{

if(emp[i].salary>max)

{

c=i;

}

}

cout<<"Employee ID :"<<emp[c].id<<setw(10)<<"Name "<<emp[c].name<<setw(20)<<"Salary "<<emp[c].salary<<setw(30)<<"Tax "<<emp[c].tax;

cout<<"\n";

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}}

void lowest\_salary(int n)

{

int c=1,press;

int min;

min=emp[1].salary;

for(int i=1;i<=n;i++)

{

if(emp[i].salary<min)

{

c=i;

}

}

cout<<"Employee ID :"<<emp[c].id<<setw(10)<<"Name "<<emp[c].name<<setw(20)<<"Salary "<<emp[c].salary<<setw(30)<<"Tax "<<emp[c].tax;

cout<<"\n";

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}}

void display\_all\_record(int n)

{ int press;

for(int c=1;c<=n;c++)

{

cout<<"Employee ID :"<<emp[c].id<<setw(10)<<"Name "<<emp[c].name<<setw(20)<<"Salary "<<emp[c].salary<<setw(30)<<"Tax "<<emp[c].tax;

cout<<"\n\n";

}

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}

}

void salarygreater30(int n)

{

int press;

emp[n];

for(int i=1;i<=n;i++)

{

if(emp[i].salary>=30000)

{

cout<<"Employee ID :"<<emp[i].id<<setw(10)<<"Name "<<emp[i].name<<setw(20)<<"Salary "<<emp[i].salary<<setw(30)<<"Tax "<<emp[i].tax;

cout<<"\n\n";

}

else

{

cout<<emp[i].name<<" :Your salary is out of range\n\n";

}

}

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}

}

void salarygreater10less3(int n)

{

int press;

emp[n];

for(int i=1;i<=n;i++)

{

if(emp[i].salary>10000&&emp[i].salary<30000)

{

cout<<"Employee ID :"<<emp[i].id<<setw(10)<<"Name "<<emp[i].name<<setw(20)<<"Salary "<<emp[i].salary<<setw(30)<<"Tax "<<emp[i].tax;

cout<<"\n\n";

}

else

{

cout<<emp[i].name<<" :Your salary is out of data\n\n";

}

}

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}

}

void update\_salary(int n)

{ int press;

string id;

cout<<"Input Your Id :";

cin>>id;

for(int i=1;i<=n;i++)

{

if(emp[i].id==id)

{

cout<<"Input Id no #"<<id<<" New Slary :";

cin>>emp[i].salary;

}

else

{

cout<<"No record found";

}

}

cout<<"\n";

cout<<"\nPress 1 To Go to the main menu again :";

cin>>press;

if(press==1)

{

display\_main(n);

}

else

{

cout<<"Thankyou ";

}}