#include<iostream>

#include<string.h>

using namespace std;

int random=1234;

class employee

{

char name[50];

char address[25];

float salary;

int emp\_id;

int perform\_index;

public: void getdata();

void display();

void search(int x, int y=0, int z=0);

float get\_salary()

{

return salary;

}

char\* get\_address()

{

return address;

}

int get\_pi()

{

return perform\_index;

}

void bonus()

{

salary=salary+0.1\*salary;

}

int getemp\_id()

{

return emp\_id;

}

};

employee\* a=new employee[5];

void employee::getdata()

{

cout<<"Enter name, address, salary and performance index of employee in that order"<<endl;

cin>>name>>address>>salary>>perform\_index;

emp\_id=salary/perform\_index + random;

}

void employee::display()

{

cout<<"emp-id:"<<emp\_id<<endl;

cout<<"name:"<<name<<endl;

cout<<"address:"<<address<<endl;

cout<<"salary:"<<salary<<endl;

cout<<"performance index:"<<perform\_index<<endl;

cout<<endl;

}

void search(int x,int y,int z)

{

int i=0;

if(x==1)

{

for(i=0;i<5;i++)

if(a[i].get\_salary()>=10000 && a[i].get\_salary()<=25000)

a[i].display();

}

else if(y==1)

{

for(i=0;i<5;i++)

if(!strcmp(a[i].get\_address(),"panjim"))

a[i].display();

}

else

{

for(i=0;i<5;i++)

if(a[i].get\_pi()>=3 && a[i].get\_pi()<=5)

a[i].bonus();

cout<<"10% Bonus was awarded to the respective employees"<<endl;

}

}

void empsearch(int e)

{

int i;

for( i=0;i<5;i++)

{

if(e==a[i].getemp\_id())

{

a[i].display();

break;

}

}

if(i>4)

cout<<"The Employee ID you entered was invalid. Please try again"<<endl;

}

int main()

{

void empsearch(int);

int c,e;

cout<<"Please enter data of five employees"<<endl;

for(int i=0;i<5;i++)

a[i].getdata();

cout<<"The employee IDs are as follows"<<endl;

for(int i=0;i<5;i++)

cout<<a[i].getemp\_id()<<endl;

do

{

cout<<"Please select an option"<<endl;

cout<<"1.Display list of employee details whose salary is between 10,000 and 25,000\n2.Display list of employee details who live in Panjim\n3.Provide 10% bonus to employees whose performance index ranges from 3 to 5\n4.Display the entered data\n5.Search for an entry\n0.exit"<<endl;

cin>>c;

switch(c)

{

case 1:search(1,0,0);

break;

case 2:search(0,1,0);

break;

case 3:search(0,0,1);

break;

case 4:for(int i=0;i<5;i++)

a[i].display();

break;

case 5:cout<<"Enter employee id of the entry you'd want to search"<<endl;

cin>>e;

empsearch(e);

break;

default:if(c)

cout<<"Invalid option. Enter again"<<endl;

}

}while(c);

return 0;

}













