#include<iostream>

#include<stdio.h>

#include<conio.h>

#include<dos.h>

using namespace std;

class EBill

{

private:

char name[100];

protected:

float acc;

public:

void input()

{

//delay(100);

cout<<"\nEnter ur name:: "; cin>>name;

//delay(100);

cout<<"\nEnter ur account no::"; cin>>acc;

}

void display()

{

cout<<"\nUr name is::"<<name;

cout<<"\nUr acc\_no is::"<<acc;

}

};

class poor: public EBill

{

private:

float unit;

public:

void amountp()

{ input();

cout<<"\nEnter the amount of electricity::";

cin>>unit;

}

void displayp()

{

//clrscr();

display();

float k=(unit\*4);

float l=(float)15/100 ;

float n=(float)k\*l;

float h=(k-n);

cout<<"\nTotal bill in taka is::"<<h;

}

int searchp(int a)

{

if(a==acc)

{

displayp();

return 1;

}

else return 0;

}

};

class mid: public EBill

{

private:

float unit;

public:

void amountm()

{

input();

cout<<"\nEnter the amount of electricity::";

cin>>unit;

}

void displaym()

{ display();

float k=(unit\*4);

float l=(float)5/100 ;

float n=(float)k\*l;

float h=(k-n);

cout<<"\nTotal bill in taka is::"<<h;

}

int searchm(float b)

{

if(b==acc)

{

displaym();

return 1;

}

else

return 0;

}

};

class rich: public EBill

{

private:

float unit;

public:

void amountr()

{ input();

cout<<"\nEnter the amount of electricity::";

cin>>unit;

}

void displayr()

{ display();

float k=(unit\*4);

cout<<"\nTotal bill in taka is::"<<k;

}

int searchr(float c)

{

if(c==acc)

{

displayr();

return 1;

}

else return 0;

}

};

int main()

{

//textcolor(4);

//textbackground(6);

//highvideo();

float ac;

int i,n,j,k,l,a;

poor p[20];

mid m[20];

rich r[20];

//clrscr();

while(1)

{

//clrscr();

//delay(1000);

cout<<"\nTHE PROJECT OF ELECTRIC BILL\n\*\*\*\*\*\*\*\*\*\*";

cout<<"\n\n\n1)input\n2)display\n3)search\n4)exit: "<<endl<<endl;

//delay(2000);

char c[10];

cout<<"Enter choice: ";

cin>>n;

switch(n)

{

case 1:

//clrscr();

cout<<"\nHow many input do u want ? \n";

cin>>j;

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

{

cout<<"\nGive p for poor,r for rich,m for middle class";

cin>>c[i];

if(c[i]=='p')

p[i].amountp();

if(c[i]=='m')

m[i].amountm();

if(c[i]=='r')

r[i].amountr();

}

break;

case 2:

//clrscr();

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

{

if(c[i]=='p')

p[i].displayp();

if(c[i]=='m')

m[i].displaym();

if(c[i]=='r')

r[i].displayr();

}

getch();

break;

case 3:

cout<<"\nGive account no ";

cin>>ac;

//clrscr();

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

{

if(c[i]=='p')

{

p[i].searchp(ac);

if(a==1)

break;

}

if(c[i]=='m')

{

m[i].searchm(ac);

if(a==1)

break;

}

if(c[i]=='r')

{

r[i].searchr(ac);

if(a==1)

break;

}

}

getch();

break;

case 4:

break;

default:

cout<<"\nInvalid option\n";

break;

}

if(n==4)

break;

}

getch();

}