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Online C++ Compiler.

Code, Compile, Run and Debug C++ program online.

Write your code in this editor and press "Run" button to compile and execute it.

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#include <iostream>

using namespace std;

class person

{

protected:

string name;

int code;

public:

person()

{

this->name="null";

this->code=0;

}

void input()

{

cout<<endl<<"Enter the name of the person:";

cin>>this->name;

cout<<endl<<"Enter the code for person:";

cin>>this->code;

}

};

class Account : virtual public person

{

protected:

int pay;

public:

Account()

{

this->pay=0;

}

void input()

{

cout<<endl<<"Enter the pay of the person:";

cin>>this->pay;

}

};

class admin : virtual public person

{

protected:

int exper;

public:

admin()

{

this->exper=0;

}

void input()

{

cout<<endl<<"Enter no. of experience years of the person:";

cin>>this->exper;

}

};

class master:public Account, public admin

{

int a;

public:

void detailinput(int i)

{

cout<<"Entering Details of person "<<i<<" :";

this->person::input();

this->Account::input();

this->admin::input();

}

void display()

{

cout<<endl<<"Information for a person:";

cout<<endl<<"Code:"<<this->code;

cout<<endl<<"Name:"<<this->name;

cout<<endl<<"Pay:"<<this->pay;

cout<<endl<<"Experience years:"<<this->exper;

}

void update(int code)

{

cout<<endl<<"This is an updation module for the employee with code:"<<code;

person::input();

Account::input();

admin::input();

}

int returncode()

{

return this->code;

}

};

int main()

{

cout<<"Implementing Inheritance Example..................................";

cout<<endl<<"Enter the number as to how many employee data is to be created(<10):";

int n;

cin>>n;

master m1[11];

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

{

m1[i].detailinput(i+1);

}

cout<<endl<<"Details of all employees are:";

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

{

m1[i].display();

}

char ch;

cout<<endl<<"Any data wish to update(Press y or Y to update):";

cin>>ch;

int code;

while(ch=='y' || ch=='Y')

{

cout<<endl<<"Enter employee code:";

cin>>code;

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

{

if(code==m1[i].returncode())

{

m1[i].update(code);

}

else

{

cout<<endl<<"Wrong code entered.";

}

}

cout<<endl<<"Wish to continue updation(Press y/Y):";

cin>>ch;

}

return 0;

}