#include

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using [namespace](https://wenwen.sogou.com/s/?w=namespace&ch=ww.xqy.chain" \t "https://wenwen.sogou.com/z/_blank) std;

class person

{

public:

person() : name(""), sex(""), age(0), [profession](https://wenwen.sogou.com/s/?w=profession&ch=ww.xqy.chain" \t "https://wenwen.sogou.com/z/_blank)(""){}

person(const string &s1, const string &s2, const unsigned int i,

const string &s3):name(s1), sex(s2), age(i), profession(s3){}

virtual ~person(){}

public:

string getname();

string getsex();

int getage();

string getprofession();

void setname(const string &s);

void setsex(const string &s);

void setage(const int &i);

void setprofession(const string &s);

void printname();

void printsex();

void printage();

void printprofession();

private:

string name;

string sex;

unsigned int age;

string profession;

};

string person::getname()

{

return name;

}

string person::getsex()

{

return sex;

}

int person::getage()

{

return age;

}

string person::getprofession()

{

return profession;

}

void person::setname(const string &s)

{

name = s;

}

void person::setsex(const string &s)

{

sex = s;

}

void person::setage(const int &i)

{

age = i;

}

void person::setprofession(const string &s)

{

profession = s;

}

void person::printname()

{

cout << name << endl;

}

void person::printsex()

{

cout << sex << endl;

}

void person::printage()

{

cout << age << endl;

}

void person::printprofession()

{

cout << profession << endl;

}

class student : public person

{

public:

student():person(), school(""), specialty(""), classes(""){}

student(const string &s1, const string &s2, const unsigned int i,

const string &s3, const string &s4, const string &s5,

const string &s6):person(s1, s2, i, s3), school(s4), specialty(s5), classes(s6){}

virtual ~student(){}

public:

string getschool();

void sutschool(const string &s);

void printschool();

private:

string school;

string specialty;

string classes;

};

string student::getschool()

{

return school;

}

void student::sutschool(const string &s)

{

school = s;

}

void student::printschool()

{

cout << school << endl;

}

int main()

{

person \*poit;

poit = new person("cangjingkong", "woman", 28, "AV");

cout << poit->getname() << endl;

poit = new student("cangjingkong", "woman", 28, "AV", "OOXX", "makelove", "10 times a night");

cout << poit->getname() << endl;

return 0;

}