

# 第六次作业

## 第一题

```
1  #include <iostream>
2  using namespace std;
3  class Person {
4  public:
5      Person(const char* n, char s, int a) :name(n), sex(s), age(a)
6      {};
7      ~Person(){};
8  private:
9  protected:
10     const char* name;
11     char sex;
12     int age;
13 };
14 class Employee :public Person {
15 public:
16     Employee(const char* n, char s, int a,int bs,int
17     ld):Person(n,s,a), basicSalary(bs), leaveDays(ld) {}
18     ~Employee() {
19     }
20     void show() {
21         cout << "姓名: " << name <<endl<< "性别: " << sex
22         <<endl<< "年龄: " << age <<endl<< "基本工资: " << basicSalary
23         <<endl<< "请假天数: " << leaveDays << endl;
24     }
25 private:
26 protected:
27     int basicSalary;
28     int leaveDays;
29 };
30
```

```
27 class Manager :public Employee{
28 public:
29     Manager(const char* n, char s, int a, int bs, int ld,float
p):Employee(n,s,a,bs,ld),performance(p) {
30     }
31
32     ~Manager() {
33     }
34     void show() {
35         Employee::show();
36         cout << "业绩: " << performance << endl;
37     }
38 private:
39 protected:
40     float performance;
41 };
42
43
44 int main()
45 {
46     char* name = new char (20);
47     char sex;
48     int age;
49     int bs;
50     int ld;
51     float perf;
52     cin >> name >> sex >> age >> bs >> ld >> perf;
53     Manager m(name,sex,age,bs,ld,perf);
54     m.show();
55 }
56
57
```

```
alice m 20 10000 20 10.0  
姓名:  alice  
性别:   m  
年龄:   20  
基本工资: 10000  
请假天数: 20  
业绩; 10
```

## 第二题

```
a is 2  
b is 3 4  
base part of b is 3
```

(1)

```
error C2247: "Base::print" 不可访问, 因为 "Derived" 使用 "private" 从 "Base" 继承
```

由于private继承, Base::print是Derived的private成员函数, 不可在类外访问

(2)

```
✖ C2247 "Base::print"不可访问, 因为"Derived"使用"protected"从"Base"继承
```

由于protected继承, Base::print是Derived的protected成员函数, 不可在类外访问