LP3-4A-Set-1

37m : 38s
to test end

1

2

☆ Vitual Functions

class employee is the base class having **data members** as **empid, age, salary, name, account_type, dues**
and **pure virtual functions** as getdata(), show().
class department **derived** from employee and inputs **empid,age and salary** in **getdata()** function and outputs the same through **show()** function;
class accounts **derived** from employee and inputs **salary,dues and account_type** in **getdata()** function and outputs the same through **show()** function

Sample input:-
112//empid
21//age
sant//name
25000//salary
25//dues
savings//account_type

Sample output:-
112
21
sant
25000
25
savings

YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour. Start tour ✕

Draft saved 03:20 pm Original code C++

```
▸ #include ↔

```

1

2

```
class employee
{
protected:
    int empid,age,salary;
    char name[30],account_type[20];
    float dues;
public:
    virtual void getdata()=0;
    virtual void show()=0;
};
class department:public employee
    {
    public:
    int empid,age,salary;
    void getdata()
        {
        cin>>empid>>age;
        cin.ignore();
        cin.getline(name,30);
        }
    void show()
        {
        cout<<empid<<endl<<age<<endl<<name<<endl;
    }
   };
class accounts:public employee
    {
    public:
    int salary;
    float dues;
    char account_type[30];
    void getdata()
        {
        cin>>salary>>dues;
        cin.ignore();
        cin.getline(account_type,30);
    }
    void show()
        {
         cout<<salary<<endl<<dues<<endl<<account_type;
        }
   };
int main()
    {
    employee *emp[2];
```

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```
    emp[1]->getdata();
    emp[0]->show();
    emp[1]->show();
    return 0;
}
```

Line: 56 Col: 11

□ Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

Download sample test cases *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*

Compiled successfully. All available test cases passed!

Tip: Debug your code against custom input

Test Case #1:	✓
Test Case #2:	✓
Test Case #3:	✓
Test Case #4:	✓
Test Case #5:	✓
Test Case #6:	✓
Test Case #7:	✓

Testcase 1: *Success*

Input [Download]

```
112
21
sant
25000
25
savings
```

1

2

```
sant
25000
25
savings
```

Expected Output [Download]

```
112
21
sant
25000
25
savings
```

Testcase 2: *Success*

Input [Download]

```
212
30
Ashutosh Sharma
12000
300.654
current account
```

Your Output

```
212
30
Ashutosh Sharma
12000
300.654
current account
```

Expected Output [Download]

```
212
30
Ashutosh Sharma
12000
300.654
current account
```

Testcase 3: *Success*

Your Output

LP3-4A-Set-1

37m : 38s
to test end

1

2

Testcase 4: *Success*

Your Output

```
Output hidden
```

Testcase 5: *Success*

Your Output

```
Output hidden
```

Testcase 6: *Success*

Your Output

```
Output hidden
```

Testcase 7: *Success*

Your Output

```
Output hidden
```

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