

# 面向对象(练习题)

```
class Employee {
    private String name;
    private int date_month;

    public Employee(String name, int date_month){
        this.name=name;
        this.date_month=date_month;
    }

    double getSalary(int date_month){
        if(date_month==this.date_month){
            return 100;
        }
        else{
            return 0;
        }
    }
}

class SalariedEmployee extends Employee{
    private int salary;
    public SalariedEmployee(String name, int date_month, int salary) {
        super(name, date_month);
        this.salary=salary;
        //TODO Auto-generated constructor stub
    }
    double getSalary (int month){
        return salary+super.getSalary(month);
    }
}

class HourlyEmployee extends Employee{

    private double hours;
    private double hour_salary;

    public HourlyEmployee(String name, int date_month, double hours, double
hour_salary) {
        super(name, date_month);
        this.hours=hours;
        this.hour_salary=hour_salary;
        //TODO Auto-generated constructor stub
    }

    double getSalary (int month){
        if(hours>160){
            return (hours-
160)*hour_salary*1.5+160*hour_salary+super.getSalary(month);
        }
        else{
```

```

        return hours*hour_salry+super.getSalary(month);
    }
}

class SalesEmpolyee extends Employee {
    private double sales;
    private double rates;
    public SalesEmpolyee (String name, int date_month,double sales,double rates)
    {
        super(name, date_month);
        this.sales=sales;
        this.rates=rates;
    }
    double getSalary(int month){
        return sales*rates+super.getSalary(month);
    }
}

class BasePlussalesEmployee extends SalesEmpolyee{
    private double basedsalry;
    public BasePlussalesEmployee (String name, int date_month,double
sales,double rates,double basedsalry){
        super(name, date_month,sales,rates);
        this.basedsalry=basedsalry;
    }
    double getSalary(int month){
        return basedsalry+super.getSalary(month)+super.getSalary(month);
    };
}

public class w {

    public static void main(String[] args) {
        Employee[] exp=new Employee[5];
        exp[0]=new SalariedEmployee("A", 3, 30000);
        exp[1]=new HourlyEmployee("B", 6, 80, 200);
        exp[2]=new SalesEmpolyee("C", 7, 300000.0, 0.01);
        exp[3]=new BasePlusSalesEmployee("D", 7, 200000, 0.01, 2000);
        for(int i=0;i<4;i=i+1){
            System.out.println(exp[i].getSalary(3));
        }
    }
}

```