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| **学校** | 吉林大学珠海学院 |  | **班级** | **软件7班** |  | **科目** | JAVA面向对象程序设计 |
| **学院** | 计算机学院 |  | **姓名** | 张子恒 |  | **日期** | 2023.\*.\* |
| **专业** | 软件工程 |  | **学号** | 04222119 |  | **实验名称** | 实验八 |

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| **实验内容**  第1题  代码（要有必要的注释说明程序思路）  package com.ex08.test01;  public class Test\_Vehicle {  public static void main(String[] args) {  Vehicle bike = new Bike();  bike.start();  bike.stop();   Vehicle car =new Car();  car.start();  car.stop();  } }  package com.ex08.test01;  public interface Vehicle {  void start();  void stop(); }  package com.ex08.test01;  public class Bike implements Vehicle{  @Override  public void start() {  System.*out*.println("自行车启动");  }   @Override  public void stop() {  System.*out*.println("自行车停止");  } }  package com.ex08.test01;  public class Car implements Vehicle{  @Override  public void start() {  System.*out*.println("汽车启动");  }   @Override  public void stop() {  System.*out*.println("汽车停止");  } }  运行结果截图    第2题  代码（要有必要的注释说明程序思路）  package com.ex08.test02;  public class Test\_Shape {  public static void main(String[] args) {  Shape sqare = new J\_Square();  sqare.drew();   Shape circle = new J\_Circle();  circle.drew();  } }  package com.ex08.test02;  abstract class Shape {  abstract void drew(); }  package com.ex08.test02;  public class J\_Circle extends Shape{  @Override  void drew() {  System.*out*.println("J\_Circle的drew被调用");  } }  package com.ex08.test02;  public class J\_Square extends Shape {  @Override  void drew() {  System.*out*.println("J\_Square的drew被调用");  } }  运行结果截图    第3题  代码  package com.ex08.test03;  public class Test\_Employee {  public static void main(String[] args) {  Boss boss = new Boss("张三", 600);  boss.show();   CommissionWorker commissionworker = new CommissionWorker("李四", 500, 200);  commissionworker.show();   PieceWorker pieceworker = new PieceWorker("王五", 220, 5);  pieceworker.show();   HourlyWorker hourlyworker = new HourlyWorker("赵六", 2.5, 50);  hourlyworker.show();  } }  package com.ex08.test03;  abstract class Employee {  private String Name;   public Employee(){}  public Employee(String name) {  Name = name;  }   public String getName() {  return Name;  }   public void setName(String name) {  Name = name;  }  public void show(){};  abstract double earnings(); }  /\* 每星期发给他固定工资，而不计工作时间  \*/ package com.ex08.test03;  public class Boss extends Employee {  private double fixedSal; //固定工资   public Boss(String name, double fixedSal) {  super(name);  this.fixedSal = fixedSal;  }   @Override  double earnings() {  return fixedSal;  }   @Override  public void show() {  System.*out*.println("Boss" + this.getName() + "的工资：" + earnings());  } }  /\* 除基本工资外还根据销售额发放浮动工资  \*/ package com.ex08.test03;  public class CommissionWorker extends Employee {  private double baseSal; //基本工资  private double floatSal; //浮动工资   public CommissionWorker(String name, double baseSal, double floatSal) {  super(name);  this.baseSal = baseSal;  this.floatSal = floatSal;  }   public double getBaseSal() {  return baseSal;  }   public void setBaseSal(double baseSal) {  this.baseSal = baseSal;  }   public double getFloatSal() {  return floatSal;  }   public void setFloatSal(double floatSal) {  this.floatSal = floatSal;  }   @Override  double earnings() {  return baseSal+floatSal;  }   @Override  public void show() {  System.*out*.println("CommissionWorker" + this.getName()+"的工资："+ earnings());  } }  /\* 按其生产的产品数发放工资  \*/ package com.ex08.test03;  public class PieceWorker extends Employee {  private double productNum; //生产产品数  private double unitPrice; //生产单价   public PieceWorker(String name, double productNum, double unitPrice) {  super(name);  this.productNum = productNum;  this.unitPrice = unitPrice;  }   @Override  double earnings() {  return productNum \* unitPrice;  }   @Override  public void show() {   System.*out*.println("PrieceWoker" + this.getName() + "的工资：" + earnings());  } }  /\* 根据工作时间长短发放工资  \*/ package com.ex08.test03;  public class HourlyWorker extends Employee {  private double workNum; //工作时间(小时)  private double hourSal; //小时工资   public HourlyWorker(String name, double workNum, double hourSal) {  super(name);  this.workNum = workNum;  this.hourSal = hourSal;  }   public double getWorkNum() {  return workNum;  }   public void setWorkNum(double workNum) {  this.workNum = workNum;  }   public double getHourSal() {  return hourSal;  }   public void setHourSal(double hourSal) {  this.hourSal = hourSal;  }   @Override  double earnings() {  return workNum \* hourSal;  }   @Override  public void show() {  System.*out*.println("HourlyWorker" + this.getName() + "的工资：" + earnings());  } }  运行结果截图    第4题  代码  运行结果截图  第5题  代码  运行结果截图 |
| **小结** |