public class ZooAnimal {  
  
 private String name;  
 private String type;  
 private Integer age;  
 private boolean hungry;  
  
  
 public ZooAnimal() {  
  
 }  
  
 public ZooAnimal(String name, String type, Integer age, boolean hungry) {  
 this.name = name;  
 this.type = type;  
 this.age = age;  
 this.hungry = hungry;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public String getType() {  
 return type;  
 }  
  
 public Integer getAge() {  
 return age;  
 }  
  
 public boolean isHungry() {  
 return hungry;  
 }  
  
 public String hungrys(String gutom){  
  
  
 if(getAge() > 0){  
 return gutom;  
 }  
  
 return "The zoo animal is not hungry";  
 }  
}

public class ZooKeeper {  
 private String name;  
 private String title;  
 private double payRate;  
 private boolean degree;  
  
 public ZooKeeper() {  
 }  
  
 public ZooKeeper(String name, String title, double payRate, boolean degree) {  
 this.name = name;  
 this.title = title;  
 this.payRate = payRate;  
 this.degree = degree;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public String getTitle() {  
 return title;  
 }  
  
 public double getPayRate() {  
 return payRate;  
 }  
  
 public boolean isDegree() {  
 return degree;  
 }  
  
 public String setDegree() {  
 return null;  
 }  
  
 public String degree(){  
 if(getPayRate() < 25){  
 return "has no degree";  
 }  
  
 return "has degree";  
 }  
}

public class Cage {  
  
 private Integer length;  
 private Integer width;  
 private Integer height;  
 private boolean clean;  
 private boolean covered;  
  
 public Cage() {  
 }  
  
 public Cage(Integer length, Integer width, Integer height, boolean clean, boolean covered) {  
 this.length = length;  
 this.width = width;  
 this.height = height;  
 this.clean = clean;  
 this.covered = covered;  
 }  
  
 public Integer getLength() {  
 return length;  
 }  
  
 public Integer getWidth() {  
 return width;  
 }  
  
 public Integer getHeight() {  
 return height;  
 }  
  
 public boolean isClean() {  
 return clean;  
 }  
  
 public boolean isCovered() {  
 return covered;  
 }  
  
 public String cleans(){  
  
 if(length == width && width == height){  
 return "The cage is clean.";  
 }  
  
 return "The cage is not clean.";  
 }  
  
 public String covered(){  
 if(isCovered()){  
 return "The cage is covered.";  
 }  
 return "The cage is not covered.";  
 }  
}

public class JavaZoo {  
  
 public static void main(String[] args) {  
  
 ZooAnimal animal1 = new ZooAnimal("Brown", "Dolhpin", 10, true);  
 Cage cage1 = new Cage(10, 10, 10, true, true);  
 ZooKeeper zooKeeper1 = new ZooKeeper("Dustin", "Mr.", 15, false);  
  
 // Animal  
 System.*out*.println("The zoo animal name " + animal1.getName() + " is " + Integer.*toString*(animal1.getAge()) + " years old. " + animal1.hungrys("The zoo animal is hungry"));  
  
 // Cage  
 System.*out*.println("The cage length is " + Integer.*toString*(cage1.getLength()) + ", width is " + Integer.*toString*(cage1.getWidth()) + " and height is " + Integer.*toString*(cage1.getHeight()));  
 System.*out*.println(cage1.cleans() +" "+ cage1.covered());  
  
 // ZooKeeper  
 System.*out*.println("The zookeeper named " + zooKeeper1.getTitle() + zooKeeper1.getName() + " " + zooKeeper1.degree() + " and paid for $" + zooKeeper1.getPayRate() + " per hour");  
 }  
}

