public class JavaZoo {  
  
 public static void main(String[] args) {  
  
 ZooAnimal animal1 = new ZooAnimal("Chips", "Dolhpin", 10, true);  
 Cage cage1 = new Cage(10, 10, 10, true, true);  
 ZooKeeper zooKeeper1 = new ZooKeeper("Hudson", "Mr.", 15, false);  
  
 zooKeeper1.feedAnimal();  
 animal1.eat();  
 if(!animal1.isHungry()){  
 System.*out*.print("The zoo animal is no longer hungry. ");  
 }  
 System.*out*.println(" ");  
  
 zooKeeper1.cleanCage();  
 animal1.sleep();  
 if(animal1.isHungry()){  
 System.*out*.print("The zoo animal is hungry. ");  
 }  
 System.*out*.println(" ");  
  
 zooKeeper1.feedAnimal(zooKeeper1.getName(), animal1.getName());  
 animal1.eat();  
 if(!animal1.isHungry()){  
 System.*out*.print("Chips is no longer hungry. ");  
 }  
  
 System.*out*.println(" ");  
 }  
}

public class ZooKeeper {  
 private String name;  
 private String title;  
 private double payRate;  
 private boolean degree;  
 private String gender;  
  
 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 ZooKeeper(String name, double payRate, boolean degree, String gender) {  
 this.name = name;  
 this.payRate = payRate;  
 this.degree = degree;  
 this.gender = gender;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public String getTitle() {  
 return title;  
 }  
  
 public double getPayRate() {  
 return payRate;  
 }  
  
 public boolean hasDegree() {  
 return degree;  
 }  
  
 public void feedAnimal(){  
 System.*out*.print("The Zookeeper is feeding the animal. ");  
 }  
  
 public void feedAnimal(String name, String animal){  
 System.*out*.print("The zookeeper named "+getTitle()+ name+ " is feeding the animal named" + animal + ". ");  
 }  
  
 public void cleanCage(){  
 System.*out*.print("The Zookeeper is cleaning the cage. ");  
 }  
  
// public String setDegree() {  
// return null;  
// }  
//  
// public String degree(){  
// if(getPayRate() < 25){  
// return "has no degree";  
// }  
//  
// return "has degree";  
// }  
}

public class ZooAnimal {  
  
 private String name;  
 private String type;  
 private Integer age;  
 private boolean hungry;  
 private String height;  
  
  
  
 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 ZooAnimal(String name, Integer age, boolean hungry, String height) {  
 this.name = name;  
 this.age = age;  
 this.hungry = hungry;  
 this.height = height;  
 }  
  
 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 void sleep(){  
 System.*out*.print("The Zoo Animal is Sleeping. ");  
 hungry = true;  
 }  
 public void eat(){  
 System.*out*.print("The Zoo Animal is Eating. ");  
 hungry = false;  
 }  
}

public class Cage {  
  
 private Integer length;  
 private Integer width;  
 private Integer height;  
 private boolean clean;  
 private boolean covered;  
 private boolean isAvailable;  
  
 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 Cage(Integer length, Integer width, Integer height, boolean clean, boolean covered, boolean isAvailable) {  
 this.length = length;  
 this.width = width;  
 this.height = height;  
 this.clean = clean;  
 this.covered = covered;  
 this.isAvailable = isAvailable;  
 }  
  
 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.";  
// }  
}

