

```
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.";  
//  }  
}
```

```
"C:\Program Files\Java\jdk-16\bin\java.exe" "-javaagent:D:\IntelliJ IDE\IntelliJ IDEA Community Edition 2021.1\lib\idea_rt.jar=60264
The Zookeeper is feeding the animal. The Zoo Animal is Eating. The zoo animal is no longer hungry.
The Zookeeper is cleaning the cage. The Zoo Animal is Sleeping. The zoo animal is hungry.
The zookeeper named Mr.Hudson is feeding the animal namedChips. The Zoo Animal is Eating. Chips is no longer hungry.

Process finished with exit code 0
.
```