```
//2018.三.1
class Person{
     private String name;
     private int age;
     Person(String a,int b){
         name=a;
         age=b;
    }
     public String toString(){
         return name+","+age;
     }
}
class Student extends Person{
     private String dept;
     Student(String a,int b,String c){
                                            //注意 super 的使用
         super(a,b);
         dept=c;
     }
     public String toString(){
                                             //注意 public String toString()一点也不能差
         return super.toString()+","+dept;
     }
}
public class Test{
```

```
public static void main(String[] args){
          Person r1=new Person("LiPing",18);
          System.out.println(r1);
          Student r2=new Student("Mary",20,"Computer");
          System.out.println(r2);
    }
}
//2018.三.2
public class Image{
     int width;
     int height;
     public int calSize(){
          return width*height;
     }
     public Image(int a,int b){
          width=a;
          height=b;
     }
     public static void main(String[] agrs){
          BinaryImage binary=new BinaryImage(3,4);
          System.out.println("The size of the binary image:"+binary.calSize());
          GreyImage grey=new GreyImage(3,4);
          System.out.println("The size of the grey image:"+grey.calSize());
          ColorImage colory=new ColorImage(3,4);
          System.out.println("The size of the colory image:"+colory.calSize());
     }
}
interface I{
     public int calSize();
class BinaryImage extends Image implements I{
     public BinaryImage(int a,int b){
          width=a;
          height=b;
     }
     public int calSize(){
          return width*height;
     }
}
class GreyImage extends Image implements I{
     GreyImage(int a,int b){
          width=a;
          height=b;
     }
```

```
public int calSize(){
    return width*height*8;
}
}
class ColorImage extends Image implements I{
    public ColorImage(int a,int b){
        width=a;
        height=b;
    }
    public int calSize(){
        return width*height*24;
    }
}
//2018.三.3
```

