```java
package com.sxt.Io03;
import java.io.BufferedInputStream;
import java.io.BufferedOutputStream;
import java.io.ByteArrayInputStream;
import java.io.ByteArrayOutputStream;
import java.io.IOException;
import java.io.InputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.Date;
/**
 * 对象流：
 * 1.写出后读取
 * 2.读取的顺序与写出保持一致
 * 3.不是所有的对象都可以序列化   Serializable
 *
 * ObjectOutputStream
 * ObjectInputStream
 * @author 江
 *
 */
public class ObjectTest {
    public static void main(String[] args) throws
ClassNotFoundException {
            //写出-->序列化
            try(ByteArrayOutputStream baos=new
ByteArrayOutputStream();
            ObjectOutputStream oos=new ObjectOutputStream(new
BufferedOutputStream(baos))){
                //操作数据类型+数据
```

```java
oos.writeUTF("编码心酸泪");
oos.writeInt(8);
oos.writeBoolean(false);
oos.writeChar('江');
//对象
oos.writeObject("谁解其中味");
oos.writeObject(new Date());
Employee emp=new Employee("马云",400);
oos.writeObject(emp);
oos.flush();
//读取-->反序列化
byte[] datas=baos.toByteArray();
ObjectInputStream ois=new
ObjectInputStream(new BufferedInputStream(new
ByteArrayInputStream(datas)));
//顺序与写出一致
String str=ois.readUTF();
int a=ois.readInt();
boolean flag=ois.readBoolean();
char c=ois.readChar();
//对象的数据还原
Object o1=ois.readObject();
Object o2= ois.readObject();
Object o3=ois.readObject();
//注意进行强转
if(o3 instanceof Employee) {
        Employee emp2=
(Employee)o3;

System.out.println(emp2.getName()+"-->"+emp2.getSalary());
```

```java
                }
            }catch(IOException e) {
                    System.out.println("操作异常");
            }


    }
}
```

```java
//javabeen   封装数据
class Employee implements java.io.Serializable{
        private transient int salary;    //该数据不需要序列化
        private String name;
        public Employee(){


        }
        public Employee(String name, int salary) {
                    super();
                    this.salary = salary;
                    this.name = name;
        }
        public int getSalary() {
                    return salary;
        }
        public void setSalary(int salary) {
                    this.salary = salary;
        }
        public String getName() {
                    return name;
        }
        public void setName(String name) {
```

```
            this.name = name;
    }




}
```