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import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;

public class ProductListMain {

    public static void main(String[] args) {
        ObjectOutputStream outputStream = null;
        String fileName = "Product.dat";
        try
        {
            outputStream = new ObjectOutputStream(
                new FileOutputStream(fileName));
        }
        catch(IOException e)
        {
            System.out.println("Error opening output file " +
                fileName + ".");
            System.exit(0);
        }
        Product p1 = new Product(0,"Soap", 15,10,"Bars",false,2,1.5);
        try
        {
            outputStream.writeObject(p1);
            outputStream.close( );
        }
        catch(IOException e)
        {
            System.out.println("Error writing to file " +
                fileName + ".");
            System.exit(0);
        }
        System.out.println("Records sent to file " +
            fileName + ".");
        System.out.println(
            "Now let's reopen the file and echo the records.");
        ObjectInputStream inputStream = null;
        try
        {
            inputStream = new ObjectInputStream(
                new FileInputStream("Product.dat"));
        }
        catch(IOException e)
        {
            System.out.println("Error opening input file " +
                fileName + ".");
            System.exit(0);
        }

        try
        {
            p1 = (Product)inputStream.readObject( );
            inputStream.close( );
        }
        catch(Exception e)
        {
            System.out.println("Error reading from file " +
                fileName + ".");
            System.exit(0);
        }
        System.out.println("The following were read\n" +
            "from the file " + fileName + ".");
    }
}

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        System.out.println(p1);
        System.out.println( );

        System.out.println("End of program.");
    }
}
```