// Java program to illustrate Cloneable interface

import java.lang.Cloneable;

// By implementing Cloneable interface

// we make sure that instances of class A

// can be cloned.

class A implements Cloneable {

    int i;

    String s;

    // A class constructor

    public A(int i, String s)

    {

        this.i = i;

        this.s = s;

    }

    // Overriding clone() method

    // by simply calling Object class

    // clone() method.

    @Override

    protected Object clone() throws CloneNotSupportedException

    {

        return super.clone();

    }

}

public class Test {

    public static void main(String[] args)      throws CloneNotSupportedException

    {

        A a = new A(20, "Abc");

        // cloning 'a' and holding

        // new cloned object reference in b

        // down-casting as clone() return type is Object

        A b = (A)a.clone();

        System.out.println(b.i);

        System.out.println(b.s);

    }

}