**JAVA EXAMPLE:**

public interface Serializable

{

// nothing here

}

|  |
| --- |
| // Java program to illustrate Serializable interface  **import** java.io.\*;    // By implementing Serializable interface  // we make sure that state of instances of class A  // can be saved in a file.  **class** A **implements** Serializable  {  **int** i;      String s;        // A class constructor  **public** A(**int** i,String s)      {  **this**.i = i;  **this**.s = s;      }  }    **public** **class** Test  {  **public** **static** **void** main(String[] args)  **throws** IOException, ClassNotFoundException      {          A a = **new** A(20,"GeeksForGeeks");            // Serializing 'a'          FileOutputStream fos = **new** FileOutputStream("xyz.txt");          ObjectOutputStream oos = **new** ObjectOutputStream(fos);          oos.writeObject(a);            // De-serializing 'a'          FileInputStream fis = **new** FileInputStream("xyz.txt");          ObjectInputStream ois = **new** ObjectInputStream(fis);          A b = (A)ois.readObject();//down-casting object            System.out.println(b.i+" "+b.s);            // closing streams          oos.close();          ois.close();      } |

Output:

20 GeeksForGeeks