```java
package Assign_3;

import BasicIO.*;

public class TestPalindrome {

    private ASCIIDataFile data;
    private ASCIIDisplayer out;

    /** The constructor opens the displayer and performs the test of palindrome.*/

    public TestPalindrome ( ) {

      boolean check;
      String sequence = "";
      CharacterSequence result; // strings for testing

      data = new ASCIIDataFile();
      out = new ASCIIDisplayer();

      for (; ;) {

        sequence = sequence + data.readString();

        if (data.isEOF()) break;

      }

        result = new ConCharacterSequence(sequence);

        out.writeString(result.toString());
        out.newLine();

        result = result.trimAll(); //removes all spaces
        out.writeString(result.toString());
        out.newLine();

        result = result.toLowerCase(); //convert to lowercase
        out.writeString(result.toString());
        out.newLine();

        check = result.isPalindrome();
        if (check == true) {

          out.writeBoolean(check);
          out.newLine();
          out.writeString("This sequence is a palindrome.");
        }
        else {

          out.writeBoolean(check);
          out.newLine();
          out.writeString("This sequence is not a palindrome.");
        }

        data.close();
        out.close();

    }; // constructor


```

```
62     public static void main ( String[] args ) { TestPalindrome t = new TestPalindrome(); };
63
64
65 } // TestPalindrome
66 //Xinan Wang No.5535802
```