

סימורז/Java-ב סדקתמ תונכת

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הסיפדמו (תינכותל רטמרפכ ותינ ומשש) טסקט צבוק לש ונכות לכ תא תארוקש הטושפ תינכות נאכ הארנ ותוא.

```
import java.io.File;
import java.io.FileInputStream;
import java.io.IOException;

public class TextFileReader {

    public static void main(String[] args) throws IOException {
        String fileName = args[0];
        File f = new File(fileName);
        FileInputStream fi = new FileInputStream(f);
        int ch;
        while((ch = fi.read()) != -1) {
            System.out.print((char) ch);
        }
        fi.close();
    }
}
```

הבוח תישומיש תינכותבש נבומכ ךא, רבד תקדוב אלו תוגירח תספות אל תינכותה, תוטשפהו תואירקה נעמל תוירקיעה תודוקפה לש ותועמשמ לע נאכ רובענ. תואיגשב לופיט פיסוהל

```
File f = new File(fileName);
```

סע הדובע לכ תעצבתמ ותרזעב יסיסבה ילכה אוהש, File גוסמ טקייבוא תרצוי וז הדוקפ, עיתפמ אל נפואב שש איהש תזורחמ לבקמש יאנב - מיטושפה דחאב ונשמתשה נאכ, סיאנב המכ סימייק File טקייבואל. מיצבק צבוקה ותואל סחייתמש טקייבוא רצוי צבוק.

```
FileInputStream fi = new FileInputStream(f);
```

עיגמש עדימ לש סרז סלגמש דחוימ טקייבוא אוה FileInputStream טקייבואה: ומצע סרזל סיעיגמ ונא נאכ דובעל ליחתהל רשפא, סרזה תא ונרציש ירחא. צבוקמ

```
int ch;
while((ch = fi.read()) != -1) {
    System.out.print((char) ch);
}
```

רתוי ןהב קמעתנ .הספדהו ץבוקהמ האירקה תעצבתמ ןאכ ,תינכותה בל ןה ולא דוק תורוש

```
ch = fi.read()
```

סופיטל ותוא ונרמה הספדהבש בל ומיש .int סופיטהמ) דדוב ות ארקנ fi מרזמה .המצע האירקה תעצבתמ ןאכ ואל ,מיטיב לש האירקל שמשמ ונשמתשה וב מרזה - מילימ לש ףסואכ אלו int-כ התשענ האירקה .char). מיטפשמ מילימ לש האירקל אקווד

```
while((ch = fi.read()) != -1)
```

ףוסל ונעגהש תעדל ןתינ , "-1" ריזחמ מרזה רשאכ .רמגנ אל ץבוקה דוע לכ ארק :איה וזה הדוקפה תועמשמ ץבוקה .

```
fi.close();
```

סימרז ריאשהל רשפא .שומישה ףוסב מתוא רוגסל הבוח ,סימרז מע מיקסעתמ רשאכ :ראשהמ בושח תוחפ אל תורצל ןוכתמ והז מיבר מירקמב ףא ,ץורת תינכותה - מיחותפ

סימורז ןאכ ןאכ

מיחונ מתוא תושעל ידכ .דבלב הטושפ הביתכ וא האירק :תונכת לש מצמוצמ רפסמ מיליכמ מייסיסבה סימרזה תיתרדס האירק רשפאמ ,FileInputStream ,וניארש יסיסבה מרזה :לשמל .מתוא ףוטעל ןתינ ,הדובעל רתוי מיארקנש מינותנה מירגאנ וב ימינפ ףרעמ ןיעמ - (Buffer) ץצוח ול ףיסוהל מיצור ונאש תעכ חיננ .ץבוקה לש סופיטמ טקייבוא ףוטעל הלוכיש ,BufferedInputStream הקלחמה תמייק ,וז הרטמל .ץבוקהמ (מדוק לחתוא רבכש File סופיטמ טקייבוא אוה f-ש החנהב) האבה הרוצב תישענ הפיטעה .InputStream.

```
BufferedInputStream bfi = new BufferedInputStream(new FileInputStream(f));
```

עצבנ - עצבל הצרנש תולועפה תא .ירוקמה טקייבואה ביבס "הפיטע" ןיעמ הווהמ ונרציש שדחה טקייבואה תעכ שדחה טקייבואה לע

סימורז ןאכ ןאכ

לש האירקל מידעוימה סימרז מנשי ,ןכ ומכ .הביתכ לש סימרז ,האירק לש סימרזל מיקלחתמ הווא'גב סימרזה מדיקפתש סיפסונ סיגוס מג מימייק ולא מייסיסב סימרזל ףסונב .טסקטל מידעוימה סימרז לומ ,ימלוג עדימ סימרז לש מצמוצמ רפסמ לע נטק רובענ .מתפיטע תועצמאב מימייק סימרזל תופסונ תונכת קינעהל

סימורז ןאכ ןאכ

סימורז

סימייקו ,תטשפומ הקלחמ יהוז .Reader תארקנ טסקט תאירקל מידעוימה סימרז רובע תיסיסבה הקלחמה :נהבש תובושחה .התוא תוביחרמש תוקלחמ המכ הרובע

- טסקט יצבק לש האירקל תדעוימ FileReader הקלחמה .
- מרזכ תוזורחמ לש האירקל תדעוימ StringReader הקלחמה .

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הקלחמ איה סג, ההז נפואב. Writer (יופצכ) תארקנ טסקט תביתכל מידעוימה סימרז רובע תיסיסבה הקלחמה
נהבו, תוירשפא תובחרה המכ תומייק הל תטשפומ

- טסקט יצבקב הביתכל תדעוימ FileWriter הקלחמה.
- תוזורחמל הביתכל תדעוימ StringWriter הקלחמה.

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□□□□□

הקלחמ איה, Reader-ל המודבו, InputStream, תארקנ ימלוג עדימ לש האירק רובע תיסיסבה הקלחמה
הלש תוירקיע תובחרה. תטשפומ

- מיצבק תאירקל תדעוימ FileInputStream הקלחמה.

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תוירקיע תובחרה. OutputStream. איה נאכ תיסיסבה הקלחמה

- מיצבקל ימלוג עדימ תביתכל תדעוימ FileOutputStream הקלחמה.

תאז סע. (הלעמל המגודב תוארל רשפאש ומכ) טסקט יצבק סע מג דדומתהל מילגוסמ ולא סימרז יכ בל ומיש
חונ, (unsigned char) סופיטמ מינותנ לש פסוא - רמולכ) והשלכ ימלוג עדימ סע הדובעל מידעוימ סהש ווויכמ
טסקטל מידעוימה סימרזה סע דובעל רתוי

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- רמולכ, מינותנה תקזחהל ינמז פצוחב ותוא דייצמה פטוע פרז מייק, וניארש מייסיסבה סימרזה יגוס לכ רובע
דימת מיליחתמ ולא סימרז תומש. התוא רגואו מינותנ לש תמייסומ תומכ ארוק ינמזה פצוחה סעפ לכב -
BufferedWriter, או BufferedInputStream, לשמל. Buffered. הלימב

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גוסמ פרזב שמתשהל שי, UTF8 דודיק - לשמל ומכ, מידחוימ מידודיקב (אורקלו) בותכל ידכ
ולא. יוצרה דודיקה גוס תא רידגהלו, (הביתכל) OutputStreamWriter או (האירקל) InputStreamReader
האירק רובע סימרז תחיתפל המגוד נאכ הארנ. פבוקמ האירק פרז - לשמל, מימייק סימרז מיפטועש סימרז סה
סופיטמ סימרזב סתוא מיפטוע ונא ולאה סימרזה תריצי ירחא. UTF8 אוה יוצרה דודיקה רשאכ, פבוקמ הביתכו
BufferedReader ו-BufferedWriter, דובעל רתוי חונ סתיא.

```
// Write to file.txt

// Open the file
File f1 = new File("file.txt");
// Open a file writer object
FileOutputStream fos = new FileOutputStream(f);
// Wrap the file writer with OutputStreamWriter with UTF8 encoding
OutputStreamWriter osw = new OutputStreamWriter(fos, "UTF8");
// Wrap it with buffered writer
BufferedWriter writer = new BufferedWriter(osw);

// Read from file.txt

// Open the file
```

```
File f2 = new File("file.txt");
// Open a file reader object
FileInputStream fis = new FileInputStream(f2);
// Wrap the file reader with InputStreamReader with UTF8 encoding
InputStreamReader isr = new InputStreamReader(fis, "UTF8");
// Wrap it with buffered reader
BufferedReader reader = new BufferedReader(isr);
```

רשפא, רתוי רצק דוק רוציל ידכ. לברוסמ טעמ דוקל איבמש המ, הז תא הז מיפטועש מיבר סימורז נאכ שי אבה נפואב, דחי לכה תא בותכל

```
// Write to file, UTF8
BufferedWriter writer = new BufferedWriter(new OutputStreamWriter(new
FileOutputStream(new File("file.txt"), "UTF8")));
// Read from file, UTF8
BufferedReader reader = new BufferedReader(new InputStreamReader(new
FileInputStream(new File("file.txt"), "UTF8"));
```

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טסקט צבוקל ותוא הקיתעמ פסונבו, ונכות תא הסיפדמ, טסקט צבוק תארוקה תינכות לש הטושפ המגוד הארנ (הדוקפה תרושמ מיטנמוגראכ מילבקתמ מיצבקה תומש) רחא

```
import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

/**
 * This class copies the contents of a text file into anoter text file
 */
public class Main {

    /**
     * @param args Input file and output file names
     */
    public static void main(String[] args) {
        // The file read
        File in = new File(args[0]);
        // The target file
        File out = new File(args[1]);
        FileReader fr = null;
        FileWriter fw = null;
        // Try block: Most stream operations may throw IO exception
        try {
            // Create file reader and file writer objects
            fr = new FileReader(in);
```

```
fw = new FileWriter(out);
// Wrap the reader and the writer with buffered streams
BufferedReader reader = new BufferedReader(fr);
BufferedWriter writer = new BufferedWriter(fw);
String line;
while ((line = reader.readLine()) != null) {
    // Print the line read and write it to the output file
    System.out.println(line);
    writer.write(line + "\n");
}
// Close the streams
reader.close();
writer.close();
} catch (IOException e) {
    e.printStackTrace();
    System.exit(0);
}
}
```

Source: <http://he.wikibooks.org/w/index.php?oldid=63449>

Contributors: Johnny Zoo, 1 anonymous edits

ויסיר

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