

Các lớp vào ra

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Vào

- BufferedReader, CharArrayReader, FilterReader, InputStreamReader, PipedReader, StringReader
 - **InputStreamReader**(InputStream in)
 - **BufferedReader**(Reader in)
 - String **readLine**() Read a line
 - **Scanner**(InputStream source)
 - String **nextLine**() read a line
- InputStream có thể được lấy từ getInputStream của Socket
- Đọc từ FILE
- Scanner scanner = new Scanner(new FileInputStream("TEN-FILE"));

Ra

- BufferedWriter, CharArrayWriter, FilterWriter, OutputStreamWriter, PipedWriter, PrintWriter, StringWriter
 - **OutputStreamWriter**(OutputStream out)
 - **BufferedWriter**(Writer out)
 - void **write**(String s, int off, int len) Write a portion of a String.
 - void **newLine**() Write a line separator.
 - **PrintWriter**(OutputStream out)
- OutputStream có thể lấy từ `getOutputStream()` của `Socket`
- In ra file
 - `PrintWriter p = new PrintWriter(new FileWriter("TEN FILE"));`

String ⇔ byte[]

- String → byte[]
 - `String s = "hello";`
 - `byte[] b = S.getBytes();`
- byte[] → String
 - `byte[] b = ...;`
 - `String s = new String(b);`