

TABLE 8.1 Commonly used `java.io.File` methods

Method Name	Description
<code>exists()</code>	Returns true if the file or directory exists.
<code>getName()</code>	Returns the name of the file or directory denoted by this path.
<code>getAbsolutePath()</code>	Returns the absolute pathname string of this path.
<code>isDirectory()</code>	Returns true if the file denoted by this path is a directory.
<code>isFile()</code>	Returns true if the file denoted by this path is a file.
<code>length()</code>	Returns the number of bytes in the file. For performance reasons, the file system may allocate more bytes on disk than the file actually uses.
<code>lastModified()</code>	Returns the number of milliseconds since the epoch when the file was last modified.
<code>delete()</code>	Deletes the file or directory. If this pathname denotes a directory, then the directory must be empty in order to be deleted.
<code>renameTo(File)</code>	Renames the file denoted by this path.
<code>mkdir()</code>	Creates the directory named by this path.
<code>mkdirs()</code>	Creates the directory named by this path including any nonexistent parent directories.
<code>getParent()</code>	Returns the abstract pathname of this abstract pathname's parent or null if this pathname does not name a parent directory.
<code>listFiles()</code>	Returns a <code>File[]</code> array denoting the files in the directory.

TABLE 8.2 The java.io stream classes

Class Name	Low/High Level	Description
InputStream	N/A	The abstract class all InputStream classes inherit from
OutputStream	N/A	The abstract class all OutputStream classes inherit from
Reader	N/A	The abstract class all Reader classes inherit from
Writer	N/A	The abstract class all Writer classes inherit from
FileInputStream	Low	Reads file data as bytes
FileOutputStream	Low	Writes file data as bytes
FileReader	Low	Reads file data as characters
FileWriter	Low	Writes file data as characters
BufferedReader	High	Reads character data from an existing Reader in a buffered manner, which improves efficiency and performance
BufferedWriter	High	Writes character data to an existing Writer in a buffered manner, which improves efficiency and performance
ObjectInputStream	High	Deserializes primitive Java data types and graphs of Java objects from an existing InputStream
ObjectOutputStream	High	Serializes primitive Java data types and graphs of Java objects to an existing OutputStream
InputStreamReader	High	Reads character data from an existing InputStream
OutputStreamWriter	High	Writes character data to an existing OutputStream
PrintStream	High	Writes formatted representations of Java objects to a binary stream
PrintWriter	High	Writes formatted representations of Java objects to a text-based output stream

FIGURE 8.3 Diagram of java.io classes

