JAVA.IO.FILEINPUTSTREAM CLASS

Introduction

The **Java.io.FileInputStream** class obtains input bytes from a file in a file system. What files are available depends on the host environment. Following are the important points about FileInputStream:

- This class is meant for reading streams of raw bytes such as image data.

- For reading streams of characters, use *FileReader*.

Class declaration

Following is the declaration for **Java.io.FileInputStream** class:

```
public class FileInputStream
    extends InputStream
```

Class constructors

S.N.	Constructor & Description
1	**FileInputStream***Filefile* This creates a FileInputStream by opening a connection to an actual file, the file named by the File object *file* in the file system.
2	**FileInputStream***FileDescriptorfdObj* This creates a FileInputStream by using the file descriptor *fdObj*, which represents an existing connection to an actual file in the file system.
3	**FileInputStream***Stringname* This creates a FileInputStream by opening a connection to an actual file, the file named by the path name *name* in the file system.

Class methods

S.N.	Method & Description
1	[int available](#) This method returns an estimate of the number of remaining bytes that can be read *orskippedover* from this input stream without blocking by the next invocation of a method for this input stream.
2	[void close](#) This method closes this file input stream and releases any system resources associated

with the stream.

3

[protected void finalize](#)

This method ensures that the close method of this file input stream is called when there are no more references to it.

4

[FileChannel getChannel](#)

This method returns the unique FileChannel object associated with this file input stream.

5

[FileDescriptor getFD](#)

This method returns the FileDescriptor object that represents the connection to the actual file in the file system being used by this FileInputStream.

6

[int read](#)

This method reads a byte of data from this input stream.

7

[int read*byte[]b*](#)

This method reads up to *b.length* bytes of data from this input stream into an array of bytes.

8

[int read*byte[]b, intoff, intlen*](#)

This method reads up to *len* bytes of data from this input stream into an array of bytes.

9

[long skip*longn*](#)

This method skips over and discards n bytes of data from the input stream.

Methods inherited

This class inherits methods from the following classes:

- Java.io.InputStream
- Java.io.Object

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