### Terminologies

InputStream is to read data from data source (can be a file ..)

outputStream is to write the data to datasource (can be a file)

### How to load data from property file

Properties props = new Properties();

InputStream inputStream = new FileInputStream(AppConfigs.kafkaConfigFileLocation);

props.load(inputStream);

### How to read all lines from csv file line by line and store in a string

Below will read all lines at once

Path path = Paths.*get*("data/NSE05NOV2018BHAV.csv");  
List<String> strings = Files.*readAllLines*(path);  
System.*out*.println("size of the list is--> "+strings.size());

 java.nio.file.Files: Contains static utility methods for operating on files and directories, such as copying, moving, deleting, reading, writing, and checking existence.

 java.nio.file.Path: Represents a path to a file or directory. It's the modern replacement for java.io.File for path representation.

 java.nio.file.Paths: A utility class that provides static methods to obtain Path instances.

 java.nio.file.StandardCopyOption: An enum that defines options for Files.copy() and Files.move() methods.

 java.nio.file.LinkOption: An enum that defines options for resolving symbolic links.

 java.nio.file.FileVisitResult, SimpleFileVisitor, FileVisitor, BasicFileAttributes: These are used in the Files.walkFileTree() method for traversing file trees (like when doing a recursive directory copy).

### Copying files using java 7 way

*Java 7 introduced java.nio.file package – Files, paths (java.io.File is from java 1.0)- here nio- means new io (old api is blocking)*

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| *copying using path* | copying using input stream |
| *Path* sourcePath = Paths.*get*("C:\\Users\\Manideep\\Downloads\\Lalitha Lavanya R.pdf"); *Path* destPath = Paths.*get*("C:\\Users\\Manideep\\Downloads\\Radhika-v1.pdf");  *Path* destPath1 = Files.*copy*(sourcePath, destPath); System.***out***.println("files has been copied"); | // we should always create a stream from file *InputStream* fileInputStream = new FileInputStream("C:\\Users\\Manideep\\Downloads\\Lalitha Lavanya R.pdf"); Files.*copy*(fileInputStream, destPath, *StandardCopyOption*.***REPLACE\_EXISTING***); System.***out***.println("files has been copied"); |