Java assignment Explanation of the Code Logic**:**

* The program continuously **monitors an input folder** for any new CSV files using Java’s WatchService.
* As soon as a new file is detected, it first ensures that the file is **completely copied** before starting to process it. This avoids partial reads.
* The processFile() method reads each row, extracts the **domain name**, and performs **deduplication** based on timestamp, source IP, destination IP, and domain to avoid counting duplicates.
* It maintains a **thread-safe aggregation** of domain counts using ConcurrentHashMap, which ensures safe updates even if multiple files arrive close together.
* Every 1 minute, the writeTopDomains() method runs automatically using a **ScheduledExecutorService**, fetches the top 10 domains based on connection counts, and writes the summary report into the **output folder** with a timestamp.
* The system uses efficient **in-memory processing** and is designed to handle batches of files arriving frequently, just as per your requirement.
* Additionally, it handles file copy stability, duplicate record filtering, and domain-level aggregation cleanly to ensure accurate reporting.