

PHASE 1-PRACTICE PROJECT

File handling:

File handling in programming involves the management and manipulation of files on a computer's file system. In Java, the `java.io` package provides a set of classes to facilitate file handling operations. Reading from a file is accomplished using classes such as `File`, `FileReader`, and `BufferedReader`, which allow for efficient streaming of characters from files. Conversely, writing to a file utilizes classes like `FileWriter` and `BufferedWriter`, providing means to output characters and text to a file. Beyond reading and writing, file creation, deletion, and existence checking are facilitated by methods within the `File` class. Best practices include proper exception handling, ensuring the secure closure of file resources, and, for more advanced scenarios, considering the capabilities of the `java.nio.file` package. Proficiency in file handling is integral for developers working with data persistence and external data sources in Java applications.