**Random Access File**

1. **Advantages:**

The use of random access will enable you to look through a file's contents more quickly if it contains a sizable volume of data. You would have had to go through each record until you reached the desired data if it had been a sequential access file. You can navigate straight to the destination address where the data is located using a random-access file.

1. **Disadvantages:**

Because it doesn't inherit from either the InputStream or the OutputStream in java.io, the RandomAccessFile is somewhat cut off from those streams.

1. **Usage:**

Data may be read from and written to at any point in a Java class called RandomAccessFile.

1. **Syntax:**

“RandomAccessFile(File file, String mode)”.

1. **Contractors:**

RandomAccessFile(File file, String mode) – for reading and optionally writing to the file with the specified name.

RandomAccessFile(String name, String mode) – for reading and optionally writing to the file with the specified in the file argument.

1. **Methods:**

Creates a random access file stream to read from and, possibly, write to the file supplied by the File argument using the RandomAccessFile(File file, String mode) function. Creates a random access file stream to read from and, optionally, write to a file with the supplied name using the RandomAccessFile(String name, String mode) function.

**References:**

[**https://benchpartner.com/q/what-is-the-advantage-of-a-random-access-file**](https://benchpartner.com/q/what-is-the-advantage-of-a-random-access-file)

[**https://www.iitk.ac.in/esc101/05Aug/tutorial/essential/io/rafs.html#:~:text=Using%20Random%20Access%20Files&text=RandomAccessFile%20is%20somewhat%20disconnected%20from,that%20you%20can%20to%20streams**](https://www.iitk.ac.in/esc101/05Aug/tutorial/essential/io/rafs.html#:~:text=Using%20Random%20Access%20Files&text=RandomAccessFile%20is%20somewhat%20disconnected%20from,that%20you%20can%20to%20streams)**.**

[**https://docs.oracle.com/javase/7/docs/api/java/io/RandomAccessFile.html#:~:text=RandomAccessFile(File%20file%2C%20String%20mode,file%20with%20the%20specified%20name**](https://docs.oracle.com/javase/7/docs/api/java/io/RandomAccessFile.html#:~:text=RandomAccessFile(File%20file%2C%20String%20mode,file%20with%20the%20specified%20name)**.**