**RandomAccessFile**

**Advantages**:

* Supports reading and writing: beneficial compared to FileReader and FileWriter classes which can only read or write.
* Bytes stored in the file system: beneficial for faster use with file once loaded.
* Navigated by file pointer: beneficial to navigate and create large files programmatically.

**Disadvantages**:

* Throws EOFException or IOException if there are errors working with the file.

**Usage**:

* Used for reading and writing to random access files.

**Syntax**:

* RandomAccessFile myRandomAccessFile = new RandomAccessFile(“test”, “rw”);

**Constructors**:

* RandomAccessFile(File file, String mode) { Creates random access file from File class specified in ‘file’ argument. Default ability to read, optional ability to write. }
* RandomAccessFile(String name, String mode) { Creates random access file with name specified in ‘name’ argument. Default ability to read, optional ability to write. }

**Methods**:

* There are various methods for: reading, writing, navigating, and working with random access files implemented in the RandomAccessFile class. A full list of these methods and their descriptions can be found at the first reference.

**References**:

* <https://docs.oracle.com/javase/7/docs/api/java/io/RandomAccessFile.html>
* <https://www.javatpoint.com/java-randomaccessfile-class#:~:text=This%20class%20is%20used%20for,do%20the%20read%20write%20operations>.