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| **Modes** | **Description** |
| R | **Open a file for read only**. File pointer starts at the beginning of the file |
| W | **Open a file for write only**. Erases the contents of the file or creates a new file if it doesn't exist. File pointer starts at the beginning of the file |
| A | **Open a file for write only**. The existing data in file is preserved. File pointer starts at the end of the file. Creates a new file if the file doesn't exist |
| X | **Creates a new file for write only**. Returns FALSE and an error if file already exists |
| r+ | **Open a file for read/write**. File pointer starts at the beginning of the file |
| w+ | **Open a file for read/write**. Erases the contents of the file or creates a new file if it doesn't exist. File pointer starts at the beginning of the file |
| a+ | **Open a file for read/write**. The existing data in file is preserved. File pointer starts at the end of the file. Creates a new file if the file doesn't exist |
| x+ | **Creates a new file for read/write**. Returns FALSE and an error if file already exists |