## File Handling

### fopen() modes

|  |  |
| --- | --- |
| **Mode** | **Purpose** |
| r | Opens a file for read–only. Places the file pointer at the beginning of the file. |
| r+ | Opens a file for reading and writing. |
| w | Opens a file for write–only. If the file does not exist, then it attempts to create a file. |
| w+ | Opens a file for reading and writing. |
| a | Opens a file for write–only. Places the file pointer at the end of the file, so that the existing data, if there is, is preserved. |
| a+ | Opens a file for reading and writing. If the file does not exist, then it attempts to create a file. |
| x | Creates a new file for write–only. Returns a value of *false* and generates an error if the file already exists. |
| x+ | Creates the file for reading and writing. |