

| Mode | Meaning of Mode | During Inexistence of file |
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| r | Open for reading. | If the file does not exist, fopen() returns NULL. |
| rb | Open for reading in binary mode. | If the file does not exist, fopen() returns NULL. |
| w | Open for writing. | If the file exists, its contents are overwritten. If the file does not exist, it will be created. |
| wb | Open for writing in binary mode. | If the file exists, its contents are overwritten. If the file does not exist, it will be created. |
| a | Open for append. Data is added to the end of the file. | If the file does not exist, it will be created. |
| ab | Open for append in binary mode. Data is added to the end of the file. | If the file does not exist, it will be created. |
| r+ | Open for both reading and writing. | If the file does not exist, fopen() returns NULL. |
| rb+ | Open for both reading and writing in binary mode. | If the file does not exist, fopen() returns NULL. |
| w+ | Open for both reading and writing. | If the file exists, its contents are overwritten. If the file does not exist, it will be created. |
| wb+ | Open for both reading and writing in binary mode. | If the file exists, its contents are overwritten. If the file does not exist, it will be created. |
| a+ | Open for both reading and appending. | If the file does not exist, it will be created. |
| ab+ | Open for both reading and appending in binary mode. | If the file does not exist, it will be created. |