

Although most of the file modes are self-explanatory, a few comments are in

order. If, when opening a file for read-only operations, the file does not exist, **fopen()**

will fail.

When opening a file using append mode, if the file does not exist, it will be

**created.**

Further, when a file is opened for append, all new data written to the file will

be written to the end of the file. The original contents will remain unchanged.

If, when

a file is opened for writing, the file does not exist, it will be created. If it does exist, the

contents of the original file will be destroyed and a new file created.

The difference

between modes **r+** and **w+** is that **r+** will not create a file if it does not exist; however,

**w+** will.

Further, if the file already exists, opening it with **w+** destroys its contents; opening it with **r+** does not.