

| Method  | Description  |
|---|--|
| FILE *fopen(const char *filename, const char *mode)                     | <ul style="list-style-type: none"> <li>- Opens the specified file</li> <li>- Must store it into a FILE variable to pass it to other file io functions</li> <li>- “w” for write, “r” for read, “a” for append</li> <li>- always check if the FILE variable is null or not after attempting to open</li> </ul>                                   |
| int fprintf(FILE *stream, const char *format_string, v1, v2, ...)       | <ul style="list-style-type: none"> <li>- Writes <i>formatted</i> output into the specified stream</li> <li>- Returns number of characters written or negative if error occurred (always check this value after)</li> </ul>   |
| int fscanf(FILE *stream, const char *format_string, v1, v2, ...)        | <ul style="list-style-type: none"> <li>- parses text that follows a specific pattern</li> <li>- returns number of characters read and assigned or EOF if error occurs (always check this value after)</li> <li>- example usage:<br/><br/>Laptop,10,1250.75;<br/>fscanf(file, "%[^,],%d,%f\n", itemName, &amp;quantity, &amp;price);</li> </ul> |
| int fputc(char c, FILE *stream)<br><br>int fputs(char *c, FILE *stream) | <ul style="list-style-type: none"> <li>- Writes a single character string exactly as is.</li> <li>- fputs does not add the “\n”</li> <li>- writes to the current position of the file position indicator</li> </ul>  |
| fclose(FILE *stream)  | - flushes the buffer and closes the stream   |

| Character | Argument Type | Printed as                                      |
|-----------|---------------|---|
| %d, %i    | int           | Decimal number                                  |
| %x, %X    | int           | Unsigned hex number (without leading 0x)        |
| %c        | int           | Single character                                |
| %s        | Char *        | All the characters in a string leading up to \0 |
| %f        | Double        | Double  |
| %p        | Void *        | Pointer   |