**LCD Display using I2C**

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| begin(cols, rows) | initialize communication interface and LCD  returns zero on success |
| clear() | clear the display and home the cursor  returns zero on success |
| home() | home the cursor  returns zero on success |
| setCursor(col, row) | set cursor position  returns zero on success |
| write(data) | send data byte to the display returns 1 on success |
| write(\*str) | send C string to the display returns characters written |
| write(\*buffer, size) | send size bytes to the display returns characters written returns size on success |
| print(...) | print formatted data on the display (from Print class) returns characters output |
| println(...) | **not supported** (from Print class) |
| cursor() | turn on underline cursor  returns zero on success |
| noCursor() | turn off/hide cursor  returns zero on success |
| blink() | enable blinking at cursor position  returns zero on success |
| noBlink() | disable blinking at cursor position  returns zero on success |
| display() | enable pixels on display  returns zero on success |
| noDisplay() | disable/hide pixels on display  returns zero on success |
| scrollDisplayLeft() | shift display contents left  returns zero on success |
| scrollDisplayRight() | shift display contents right  returns zero on success |
| autoscroll() | enable left/right autoshifting for new characters  returns zero on success |
| noAutoscroll() | disable left/right autoshifting  returns zero on success |
| leftToRight() | write left to right, set autoshift to left  returns zero on success |
| rightToLeft() | write right to left, set autoshift to right  returns zero on success |
| createChar(charval, charmap[]) | create a custom character  returns zero on success |