|  |  |  |  |
| --- | --- | --- | --- |
| **Model** |  | **Library** | **Entries** |
|  |  |  |  |
| SainSmart 20X4 with integral backpack |  | **<LiquidCrystal\_I2C.h>** | At instantiation: **LiquidCrystal\_I2C lcd(0x3F, 20, 4);** |
|  |  |  | In void setup: **lcd.init();** |
|  |  |  |  |
| Ada Fruit Back Pack |  | **<LiquidCrystal.h>** | At instantiation**: LiquidCrystal lcd(0);** |
|  |  |  | In void setup; **lcd.begin(16,4);** |
|  |  |  |  |
| Generic Back Pack |  | **<LiquidCrystal\_I2C.h>** | At instantiation: **LiquidCrystal\_I2C lcd(0x27,16,4); or** |
|  |  |  | **LiquidCrystal\_I2C lcd(0x27,16,2);** [two line versus 4 line] |
|  |  |  | In void setup: **lcd.init();** |
|  |  |  |  |

Notes: Notice the difference in the Libraries for these three examples and the I2C Address. The Ada Fruit uses **lcd.begin(16,4);** to designate the

type of display and the others **lcd.init();** as the type is designated elsewhere**.** So depending on the model and make different entries are required.