

# Arduino-examples

## 1. Basics

Rewrite of the Arduino core examples using Cosa

# Contents

- AnalogReadSerial
- BareMinimum
- Blink
- BlinkAlternative
- BlinkRTTDelay
- BlinkWatchdogDelay
- DigitalReadSerial
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# AnalogReadSerial

```
AnalogPin sensor(Board::A0);           // Analog Pin Instance for A0
Iostream ios(&uart);                    // Iostream Instance connected UART

void setup()
{
    uart.begin(9600);                   // Start UART and use 9600 baud
    AnalogPin::powerup();               // Start ADC module
    Watchdog::begin();                 // Start Watchdog and use default 16 ms tick
}

void loop()
{
    ios << sensor << endl;             // Print analog pin reading
    delay(100);                         // Low-power delay
}
```