Fundamental Knowledge About Arduino Uno

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sketch_dec1b.ino
    1
        void setup() {
        // initialize digital pin LED_BUILTIN as an output.
         pinMode(LED_BUILTIN, OUTPUT);
    7
       // the loop function runs over and over again forever
       void loop() {
   9
         digitalWrite(LED_BUILTIN, HIGH); // turn the LED on (HIGH is the voltage level)
   10
         delay(10000);
                                       // wait for a second
         digitalWrite(LED_BUILTIN, LOW); // turn the LED off by making the voltage LOW
   11
   12
        delay(10000);
                                          // wait for a second
   13 }
```

This is an Arduino sketch to blink the built-in LED on an Arduino Uno. The pinMode(LED_BUILTIN, OUTPUT) function sets the LED pin as an output. The digitalWrite commands turn the LED on and off, with a delay of 10 seconds in between using delay(10000). This simple program demonstrates the use of basic digital I/O and timing functions.



