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//-----Initializations-----

int led = 13; // Give pin 13 a name (led).
int i; // Create a variable whose name is i
        // and whose type is int.

void setup()
{
  pinMode(led, OUTPUT); // Initialize the digital pin as an
                        // output.
}

// -----Main Code-----

void loop() // The loop function loops repeatedly,
{ // but here the program gets stuck in
  // the while(1) loop below.

  i=0; // Assign i a value of 0.
  while(i<5){ // Performs while loop 5 times,
              // i = 0,1,2,3, and 4.
    i++; // Increment i by 1

    digitalWrite(led, HIGH); // Turn the LED on (HIGH is the
                              // voltage level)
    delay(500); // Wait a half second (500 ms)
    digitalWrite(led, LOW); // Turn the LED off by making the
                              // voltage LOW
    delay(500); // Wait a half second (500 ms)
  }
}

```

