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/*-----Title-----

File: railroad.ino
Started: 10/29/13
Program Description: Two LEDs flash like a railroad crossing.

*/

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

int led1 = 2; // Give pin 2 a name (led1).
int led2 = 3; // Give pin 3 a name (led2).

void setup()
{
  pinMode(led1, OUTPUT); // Initialize the digital pin led1
                          // as an output.
  pinMode(led2, OUTPUT); // Initialize the digital pin led2
                          // as an output.
}

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

void loop() // The loop function loops repeatedly
{

  digitalWrite(led1, HIGH); // Turn the LED on (HIGH is the
                             // voltage level)
  digitalWrite(led2, LOW);
  delay(500); // Wait a half second (500 ms)
  digitalWrite(led1, LOW); // Turn the LED off by making the
                             // voltage LOW
  digitalWrite(led2, HIGH);
  delay(500); // Wait a half second (500 ms)
}

```