```
/*---------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)

}
```