int LED1 = 11;

int LED2 = 10;

int LED3 = 9;

int LED4 = 8;

void setup()

{

pinMode(11, OUTPUT);

pinMode(8, OUTPUT);

pinMode(9, OUTPUT);

pinMode(10, OUTPUT);

}

void loop()

{

digitalWrite(LED1, LOW);

digitalWrite(LED2, LOW);

digitalWrite(LED3, LOW);

digitalWrite(LED4, LOW); //0000 //0

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, LOW);

digitalWrite(LED3, LOW);

digitalWrite(LED4, HIGH); //0001 //1

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, LOW);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, LOW); //0010 //2

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, LOW);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, HIGH); //0011 //3

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, LOW);

digitalWrite(LED4, LOW); //0100//4

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, LOW);

digitalWrite(LED4, HIGH); //0101 //5

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, LOW); //0110 //6

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, LOW);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, HIGH); //0111 //7

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, LOW);

digitalWrite(LED3, LOW);

digitalWrite(LED4, LOW); //1000 //8

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, LOW);

digitalWrite(LED3, LOW);

digitalWrite(LED4, HIGH); //1001 //9

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, LOW);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, LOW); //1010 //10

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, LOW);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, HIGH); //1011 //11

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, LOW);

digitalWrite(LED4, LOW); //1100 //12

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, LOW);

digitalWrite(LED4, HIGH); //1101 //13

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, LOW); //1110 //14

delay(1000); // Wait for 1000 millisecond(s)

digitalWrite(LED1, HIGH);

digitalWrite(LED2, HIGH);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, HIGH); //1111 //15

delay(1000); // Wait for 1000 millisecond(s)