

SMART ZEBRA CROSSING

```
#include <Servo.h> //import library
```

```
Servo myservo;
```

```
int led = 13;
```

```
Servo myservo1;
```

```
int led1 = 12;
```

```
void setup()
```

```
{
```

```
pinMode(led, OUTPUT);
```

```
myservo.attach(9, 500, 2500);
```

```
pinMode(led1, OUTPUT);
```

```
myservo1.attach(10, 500, 2500);
```

```
}
```

```
void loop()
```

```
{
```

```
    // Rotate Servo 3 by 180 degree
```

```
myservo.write(90);
```

```
myservo1.write(0);
```

```
delay(10);
```

```
digitalWrite(led, HIGH);

delay(8000);

digitalWrite(led, LOW);

myservo.write(0);

myservo1.write(0);

delay(1000);

myservo.write(0);

myservo1.write(90);

delay(10);

digitalWrite(led1, HIGH);

delay(8000);

digitalWrite(led1, LOW);

myservo.write(0);

myservo1.write(0);

delay(1000);

//

}
```