

```
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```
//www.elegoo.com
```

```
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```

```
/******
```

```
const int ledPin = 13;//the led attach to
```

```
void setup()
```

```
{
```

```
  pinMode(ledPin,OUTPUT);//initialize the ledPin as an output
```

```
  pinMode(2,INPUT);
```

```
  digitalWrite(2, HIGH);
```

```
}
```

```
/******
```

```
void loop()
```

```
{
```

```
  int digitalVal = digitalRead(2);
```

```
  if(HIGH == digitalVal)
```

```
  {
```

```
    digitalWrite(ledPin,LOW);//turn the led off, if not upright
```

```
  }
```

```
  else
```

```
  {
```

```
    digitalWrite(ledPin,HIGH);//turn the led on, if upright
```

```
  }
```

```
}
```

```
/******
```