

期中實習考 (範例)

請設計一個 led 閃爍燈，閃爍方式：亮 0.5 秒，滅 1 秒。

作答：

電路圖 (40%)

程式碼(60%)

參考區

//如果需要 include 也會呈現出來

```
void setup()
```

```
{
```

```
}
```

```
void loop()
```

```
{
```

```
}
```

INPUT , pinMode , digitalWrite , delay , HIGH , LOW , OUTPUT , digitalRead ,  
delayMicroseconds , Serial , pulseIn , EchoTime , print , begin , setCursor , clear ,  
SimpleDHTErrSuccess ,

左 (ESP32)NodeMCU-32S 右

			RESET	3.3V	19	
(pu)			EN	18		
SVP		ADC0	GPIO36	17		
SVN		ADC3	GPIO39	16		
		ADC6	GPIO34	15		
		ADC7	GPIO35	14		
	TOUCH9	ADC4	GPIO32	13		
	TOUCH8	ADC5	GPIO33	12		
DAC1		ADC18	GPIO25	11		
DAC2		ADC19	GPIO26	10		
	TOUCH7	ADC17	GPIO27	9		
TMS	TOUCH6	ADC16	HSPI SCK	GPIO14	8	
(pd)	TDI	TOUCH5	ADC15	HSPI MISO	GPIO12	7
			GND	6		
	TCK	TOUCH4	ADC14	HSPI MOSI	GPIO13	5
			FLASH D2	GPIO9	4	
			FLASH D3	GPIO10	3	
			FLASH CMD	GPIO11	2	
			5V	1		



Reset Flash

19	GND				
18	GPIO23	VSPI MOSI			SPI MOSI
17	GPIO22				Wire SCL
16	GPIO1	TX0			Serial TX
15	GPIO3	RX0			Serial RX
14	GPIO21				Wire SDA
13	GND				
12	GPIO19	VSPI MISO			SPI MISO
11	GPIO18	VSPI SCK			SPI SCK
10	GPIO5	VSPI SS		(pu)	SPI SS
9	GPIO17				
8	GPIO16				
7	GPIO4		ADC10	TOUCH0	(pd)
6	GPIO0	BOOT	ADC11	TOUCH1	(pu)
5	GPIO2		ADC12	TOUCH2	(pd)
4	GPIO15	HSPI SS	ADC13	TOUCH3	TDO (pu)
3	GPIO8	FLASH D1			
2	GPIO7	FLASH D0			
1	GPIO6	FLASH SCK			