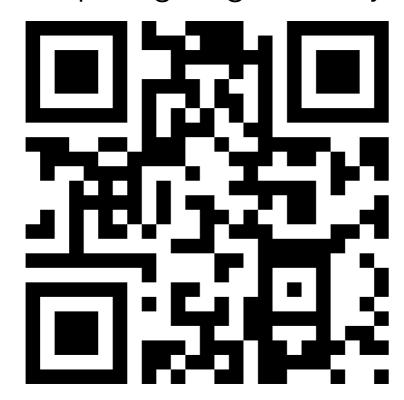
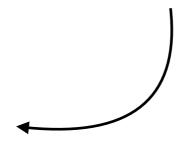
Week 6

https://goo.gl/o1fVWj



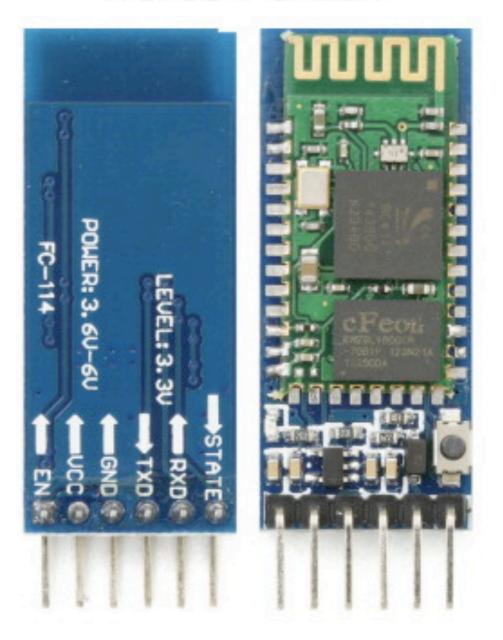
Howard Ke

投影片檔案

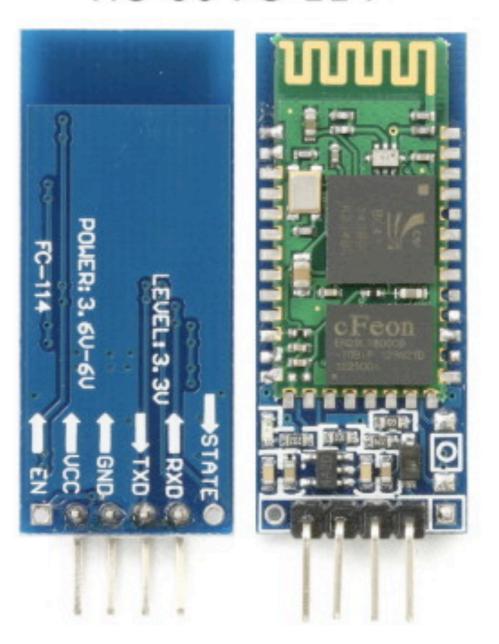


藍牙模組

HC-05 FC-114



HC-06 FC-114



初始化

```
#include "SoftwareSerial.h"
#include "Wire.h"

SoftwareSerial I2CBT(11, 12);

void setup()
{
    Serial.begin(9600);
    I2CBT.begin(9600);
}
```

字元

```
char a = 'a';
char question_mark = '?';
char b = '1';

a = '2';
b = 'd';
```

字串

```
String hello = "helloworld";
String s = "";

Serial.println(hello);  // helloworld
Serial.println("hello");  // hello

s = "hello";  // s == "hello"
s += "world";  // s == "helloworld"
s += '!';  // s == "helloworld!"
```

讀取藍牙指令

```
String command;
int insize;
void getBTData()
  command = "";
  insize = I2CBT.available();
  if (insize > 0)
    for (int i = 0; i <= insize - 1; i++)
      command += char(I2CBT.read());
```

判斷藍牙指令

```
void loop()
 getBTData();
 delay(500);
  if (command == "forth")
   forward();
 else if (command == "back")
   backward();
 // 左轉、右轉、停止、其他自定義的動作
```

指令表

字串	說明	
	forth	前進
	back	後退
	left	左轉
	right	右轉
	stop	停止