Bluetooth Connection to HC-05

A) Upload the following code to the Arduino

```
#include <SoftwareSerial.h>
SoftwareSerial mySerial(10, 11); // RX, TX
void setup() {
Serial.begin(9600);
pinMode(9,OUTPUT); digitalWrite(9,HIGH);
Serial.println("Enter AT commands:");
mySerial.begin(38400);
}
void loop()
{
if (mySerial.available())
Serial.write(mySerial.read());
if (Serial.available())
mySerial.write(Serial.read());
}
```

B) Connections:

HC-05	Arduino
RX	11
TX	10
VCC	5V
GND	GND
ENABLE	9

C) Enter into AT mode

Disconnect Power to the HC-05 module and then press the button on the HC-05 for about 10 sec and while pressing connect power to the HC-05 module. You will find that the LED on the BT module is blinking at an interval of 2 sec.
Congrats you've entered to the AT mode

D) Serial Monitor:

Open Serial monitor at a baud rate of 9600 and change "no line ending " to "both NL & CR" at the bottom.

E) Now enter AT commands

AT : Check the connection.
AT+NAME : See default name
AT+ADDR : see default address
AT+VERSION : See version
AT+UART : See baudrate
AT+ROLE: See role of bt module(1=master/0=slave)
AT+RESET : Reset and exit AT mode
AT+ORGL : Restore factory settings
AT+PSWD: see default password

Interfacing Mr. OttO

AT+NAME="otto"
AT+PSWD="0000"

Thats it.