H-Bridge الكود البرمجي

```
#define Motor_IN1 12
#define Motor_IN2 13

Void motor_Fourward (Void);
// a Function that will be called to rotate it clockwise

Void motor_reverse (Void);

// a Function that will be called to stop the rotation clockwise
Void motor_stop (Void);
// a Function that will be called to stop the rotation

Void setup() {
pin Mode (MotoR_IN1, OUTPUT);

// Set the First Pin of the relay as OUTPUT
pin Mode (MotoR_IN2, OUTPut);
// Set the 2nd Pin of the relay as OUTPut
}
Void Loop() {
motor_Fourward(); // move Fourward / clockwise
delay_stop();
delay (3000); // Keep rotating CW For 3 Seconds
Motor_stop(); // stop rotating
delaye(3000); // stand still For 3 Seconds
Motor_reverse(); reverse the rotation direction / CCW
delay (3000); // Keep rotating direction For 3 Second
delay (3000); // stand still For 3 seconds.
}
```

```
Void motor_Forward (void)  // the Function that
will cause the motor to rotate CW
{
  digitalWrite(MOTOR_IN1, HIGH);
  digitalWrite(MOTOR_IN2, LOW);
}
  Void Motor_reverse(void)  // the Function that will
cause the motor to rotate CCW
{
  digitalWrite (MOTOR)_IN1, LOW);
  digitalWrite (MOTOR)_IN2, HIGH);
}
  Void motor_stop (void) // The Function that will
cause the motor to stop rotating
{
  digitalWrite (MOTOR)_IN1, low);
  digitalWrite (MOTOR_IN2, Low);
}
```