

## Experiment NO 4

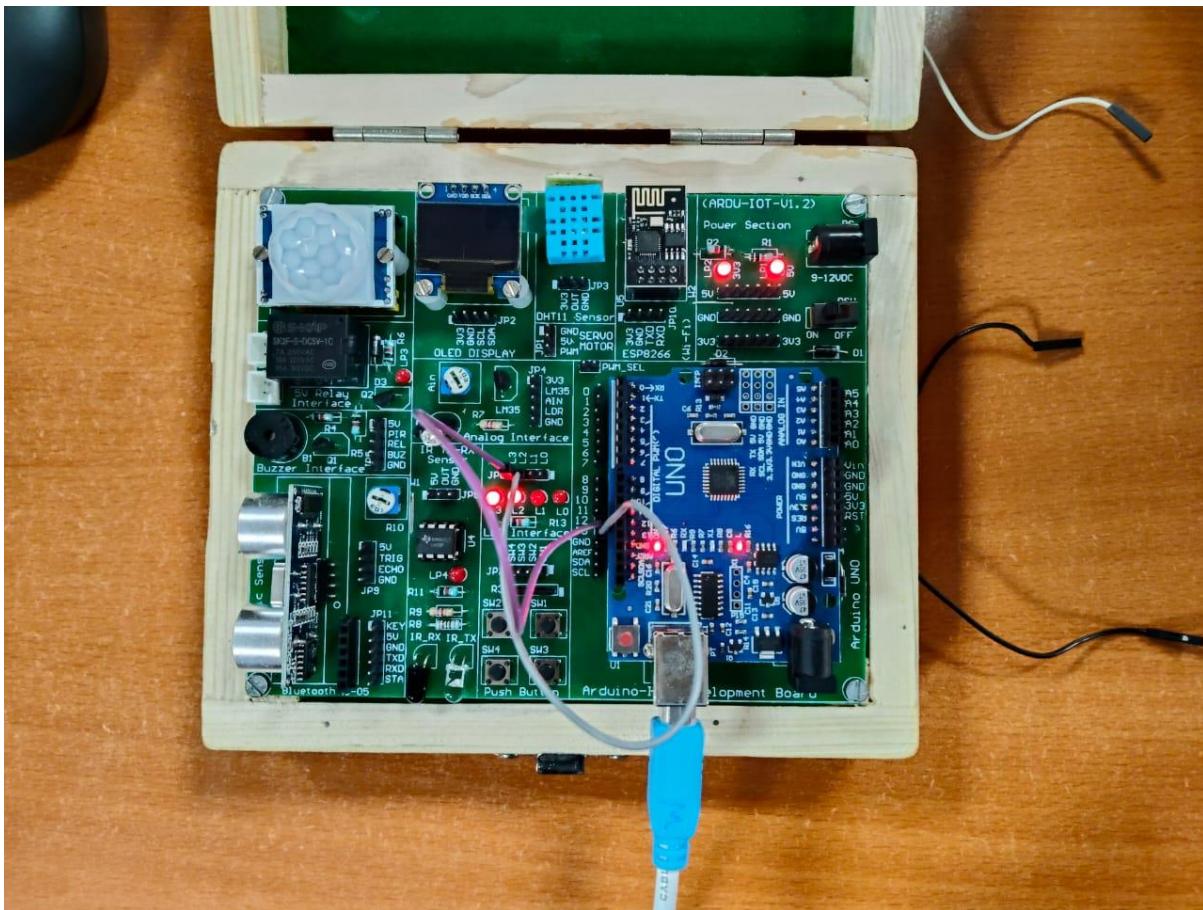
```
// Arduino UNO: Blink two LEDs on pin 13 and pin 12

// The setup() function runs once when you press reset or power the board
void setup() {
    // Initialize digital pins 13 and 12 as outputs
    pinMode(13, OUTPUT);
    pinMode(12, OUTPUT);
    pinMode(11, OUTPUT);
}

// The loop() function runs over and over again forever
void loop() {
    digitalWrite(13, HIGH); // Turn LED on pin 13 ON
    digitalWrite(12, HIGH);
    digitalWrite(11, HIGH); // Turn LED on pin 12 ON
    delay(1000);          // Wait for 1 second

    digitalWrite(13, LOW); // Turn LED on pin 13 OFF
    digitalWrite(12, LOW);
    digitalWrite(11, LOW); // Turn LED on pin 12 OFF
    delay(1000);          // Wait for 1 second
}
```

## OUTPUT:-



practical4 | Arduino IDE 2.3.6

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Arduino Uno

practical4.ino

```
1 // Arduino UNO: Blink two LEDs on pin 13 and pin 12
2
3 // The setup() function runs once when you press reset or power the board
4 void setup() {
5     // Initialize digital pins 13 and 12 as outputs
6     pinMode(13, OUTPUT);
7     pinMode(12, OUTPUT);
8 }
9
10 // The loop() function runs over and over again forever
11 void loop() {
12     digitalWrite(13, HIGH); // Turn LED on pin 13 ON
13     digitalWrite(12, HIGH); // Turn LED on pin 12 ON
14     delay(2000);          // Wait for 1 second
15
16     digitalWrite(13, LOW); // Turn LED on pin 13 OFF
17     digitalWrite(12, LOW); // Turn LED on pin 12 OFF
18     delay(1000);          // Wait for 1 second
...}
```

Output Serial Monitor

```
Sketch uses 924 bytes (2%) of program storage space. Maximum is 32256 bytes.
Global variables use 9 bytes (0%) of dynamic memory, leaving 2039 bytes for local variables. Maximum is 2048 bytes.
```

Ln 12, Col 53 Arduino Uno on COM6 2