

Experiment 2: Develop a program to interface a relay with Arduino board.

Pin Connections:

Relay	ESP32 Pin	Arduino UNO Pin
Relay 1/2	GPIO 15	D7

Code:

```
// Define the relay control pin
const int relayPin = 7;           // You can use any digital pin
void setup() {
    pinMode(relayPin, OUTPUT); // Set the relay pin as output
    digitalWrite(relayPin, HIGH);

}
void loop() {
    digitalWrite(relayPin, LOW);
                                // Turn ON relay (connects the load)
    delay(2000);                // Wait for 2 seconds

    digitalWrite(relayPin, HIGH);

    delay(2000);                // Wait for 2 seconds
}
```