INTERFACING 4 RELAY MODULE WITH ARDUINO NANP BOARD

I have interfaced the 4 Channel Relay module with the Arduino Nano microcontroller. It is just a sequential turn on and turn off operation.

Read about Relay here: [5V Four-Channel Relay Module - Pin Diagram, Specifications, Applications, Working (components101.com)]

[5V Relay Module : Pin Configuration, Circuit, Working & Its Applications (elprocus.com)]

The code for interfacing 4-channel relay is attached in the folder.

Now, coming to the hardware part, 6 pins are connected to the microcontroller:

1. The VCC pin and GND of the Relay is connected to the 5V pin and GND pin of Nano.
2. The CH1, CH2, CH3, and CH4 pins of the relay are connected to the GPIO D2, D3, D4, D5 pins of Nano.

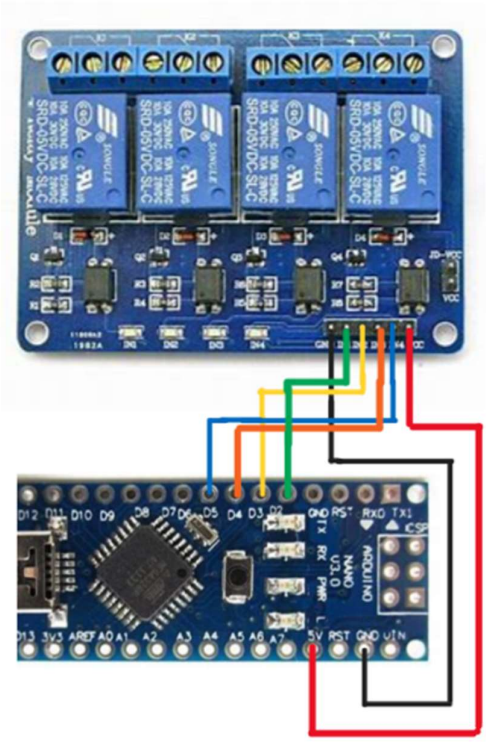

Fig 1: Circuit Diagram

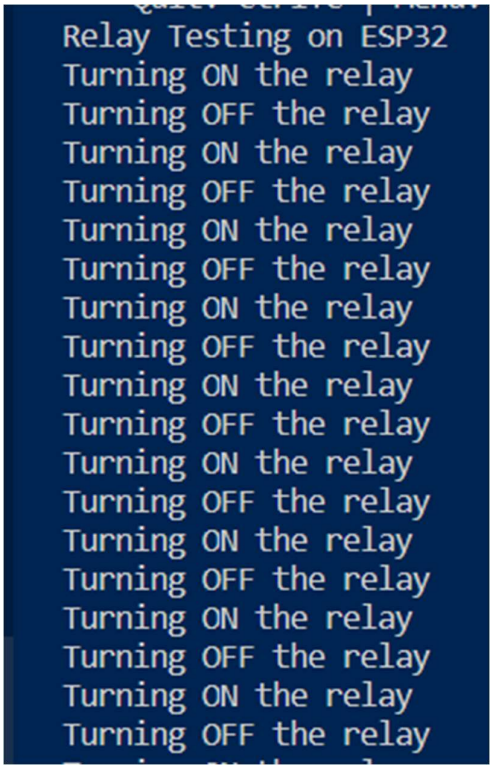

Fig 2: Serial Monitor Output

The programming is done in PlatformIO in VSCode and the output connections can be connected to your choice and operated based on the applications