What is the meant by Relay?

A relay is an electrically operated switch. It consists of a set of input terminals for a single or multiple control signals and a set of operating terminals.

The main parts required to make a Relay Based RC CAR. We require Relay of 2 Sets, 4 Motors, Adruino UNO, Receiver and Transmitter.

GOALS

* The motor pins on the relay are connected to Battery and Motors.
* Again the relay is connected back to Adruino UNO Board
* The microcontroller is connected with the receiver
* The receiver is binded to transmitter.
* ESP 8266 Wi-Fi Module can also be used.

The direction of the car can be changed to mechanism of CW and ACW rotation of Wheels simultaneously of back and forth.

ESP 8266 Wi-Fi Module

* The VCC from the Relay Board is connected to the pin of V-in in ESP 8266 Wi-Fi Module.
* The GND from the Relay Board is connected to the pin of GND in ESP 8266 Wi-Fi Module.
* The IN1 from the Relay Board is connected to the pin of D1 in ESP 8266 Wi-Fi Module.
* Same for all inputs (IN1,IN2,IN3,IN4).