

## CODE

Team ID:PNT2022TMID49784

### Transmitter Code:

```
#include <RH_ASK.h>

#include <SoftwareSerial.h>

SoftwareSerial ArduinoUno(2,3);

#include <SPI.h>

int sensorvalue;

int sensorvalue2;

RH_ASK rf_driver;

void setup () {

rf_driver.init();

Serial.begin(9600);

void loop ()

{

sensorvalue = analogRead(0);

sensorvalue2 = analogRead(1);

Serial.println(sensorvalue,DEC);

If (sensorvalue > 200)

{

const char *msg = "MQ135";

rf_driver.send((uint8_t*)msg,strlen(msg));
```

```
rf_driver.waitPacketSent();

ArduinoUno.print(sensorvalue);

ArduinoUno.println("\n");

}

else if (sensorvalue2 > 100)

{

rf_driver.send((uint8_t *)msg, strlen(msg));

rf_driver.waitPacketSent();

ArduinoUno.print(sensorvalue);

}

Delay (1000);

}
```

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### Receiver Code:

```
#include<RH_ASK.h>
#include<SPI.h>
RH_ASK rf_driver;
void setup ()
{
  rf_driver.init();
  Serial.begin(9600);
}
void loop()
{
  uint8_t buf[5];
  uint8_t buflen = sizeof(buf);
  if (rf_driver.recv(buf, &buflen))
  {
    digitalWrite(3, HIGH);
    digitalWrite(4, HIGH);
    Serial.print("Message Received: ");
    Serial.println((char*)buf);
  }
  else
  {
    digitalWrite(3, LOW);
    digitalWrite(4, LOW);
    delay(1000);
  }
}
```

