**PROGRAM CODE:**

#include <SoftwareSerial.h>

#define TX\_PIN 2 // Pin connected to TX of NIRF module

#define BAUD\_RATE 9600

SoftwareSerial NIRFSerial(TX\_PIN, -1); // RX pin is not used for transmitter

void setup() {

Serial.begin(BAUD\_RATE); // Serial monitor for debugging

NIRFSerial.begin(BAUD\_RATE); // Begin communication with NIRF module

}

void loop() {

String message = "Hello, world!"; // Message to be transmitted

transmitMessage(message); // Transmit the message

delay(1000); // Delay before transmitting next message

}

void transmitMessage(String msg) {

// Send each character of the message one by one

for (int i = 0; i < msg.length(); i++) {

NIRFSerial.write(msg.charAt(i));

}

// Send a newline character to indicate end of message

NIRFSerial.println();

}