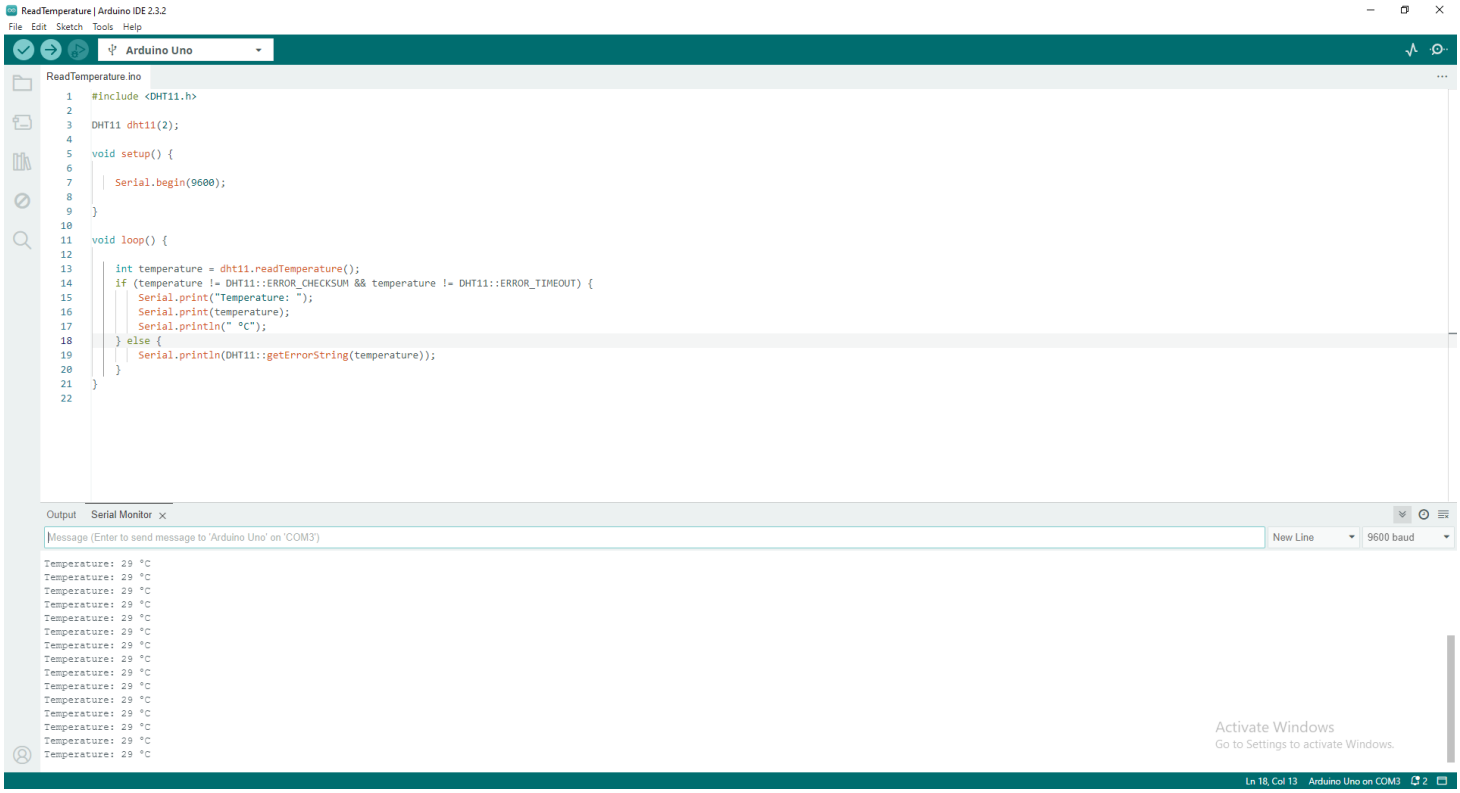
IOT WITH AI PRACTICAL NO 4

SOURCE CODE:

```
#include <DHT11.h>

DHT11 dht11(2);

void setup() {

    Serial.begin(9600);

}

void loop() {

    int temperature = dht11.readTemperature();
    if (temperature != DHT11::ERROR_CHECKSUM && temperature != 
DHT11::ERROR_TIMEOUT) {
        Serial.print("Temperature: ");
        Serial.print(temperature);
        Serial.println(" °C");
    } else {
        Serial.println(DHT11::getErrorString(temperature));
    }
}
```

OUTPUT:


ReadTemperature | Arduino IDE 2.3.2
File Edit Sketch Tools Help
Arduino Uno
ReadTemperature.ino
#include <DHT11.h>
DHT11 dht11(2);
void setup() {
Serial.begin(9600);
}
void loop() {
int temperature = dht11.readTemperature();
if (temperature != DHT11::ERROR_CHECKSUM && temperature != DHT11::ERROR_TIMEOUT) {
Serial.print("Temperature: ");
Serial.print(temperature);
Serial.println(" °C");
} else {
Serial.println(DHT11::getErrorString(temperature));
}
}
Output Serial Monitor
Message (Enter to send message to 'Arduino Uno' on 'COM3')
New Line
9600 baud
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Temperature: 29 °C
Activate Windows
Go to Settings to activate Windows.
Ln 18, Col 13 Arduino Uno on COM3