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**SUBJECT :** Internet Of Things (IOT)

**CLASS :** SE

**BRANCH :** AI&DS

**DATE :**

**EXPERIMENT NO : 10**

**TITLE :**

**Write a program read the temperature sensor and send the values to the serial monitor on the computer.**

**CODE:**

**#include<SimpleDHT.h>**

**int pinDHT11=A1;**

**SimpleDHT11 dht11(pinDHT11);**

**void setup()**

**{**

**Serial.begin(115200);**

**}**

**void loop()**

**{**

**Serial.println("==========================================");**

**Serial.println("Sample DHT11...");**

**byte temperature=0;**

**byte humidity=0;**

**int err=SimpleDHTErrSuccess;**

**if ((err=dht11.read(&temperature, &humidity, NULL)) != SimpleDHTErSuccess)**

**{**

**Serial.print("Read DHT11 failed, err=");**

**Serial.print(SimpleDHTErrCode(err));**

**Serial.print(",");**

**Serial.println(SimpleDHTErrDuration(err));**

**delay(1000);**

**return;**

**}**

**Serial.print("Sample OK: ");**

**Serial.print((int)temperature);**

**Serial.print(" \*C,");**

**Serial.print((int)humidity);**

**Serial.println("H");**

**delay(1500);**

**}**

**OUTPUT:**

