# Assignment -2

```cpp
#include <SimpleDHT.h>

#include <LiquidCrystal.h>

char d;

// for DHT11,

//     VCC: 5V or 3V

//     GND: GND

//     DATA: 2

int pinDHT11 = 8;

SimpleDHT11 dht11(pinDHT11);

LiquidCrystal lcd(2,3,4,5,6,7);


void setup() {

  Serial.begin(9600);

   lcd.begin(16, 2);

}


void loop() {

  if(Serial.available())

{

  d=Serial.read();

}

if (d=='a')

{



  // read without samples.
```

```
byte temperature = 0;

byte humidity = 0;

int err = SimpleDHTErrSuccess;

if ((err = dht11.read(&temperature, &humidity, NULL)) != SimpleDHTErrSuccess) {

  return;

}

//lcd.setCursor(0,0);

//lcd.print("Temp is ");

//lcd.print((int)temperature); lcd.print(" *C, ");

//lcd.setCursor(0,1);

//lcd.print("Humidity:");

//lcd.print((float)humidity);

Serial.println(temperature);

Serial.println(humidity);

// DHT11 sampling rate is 1HZ.

delay(1500);

}

}
```