

```
#include <dht.h>
#include <LiquidCrystal.h>
#define dht_apin A0
int sensorValue;
const int rs = 12, en = 11, d4 = 5, d5 = 4, d6 = 3, d7 = 2;
LiquidCrystal lcd(rs, en, d4, d5, d6, d7);
DHT DHT;

void setup()
{
  lcd.begin(16, 2);
  Serial.begin(9600);
  delay(500);
  delay(500);
}

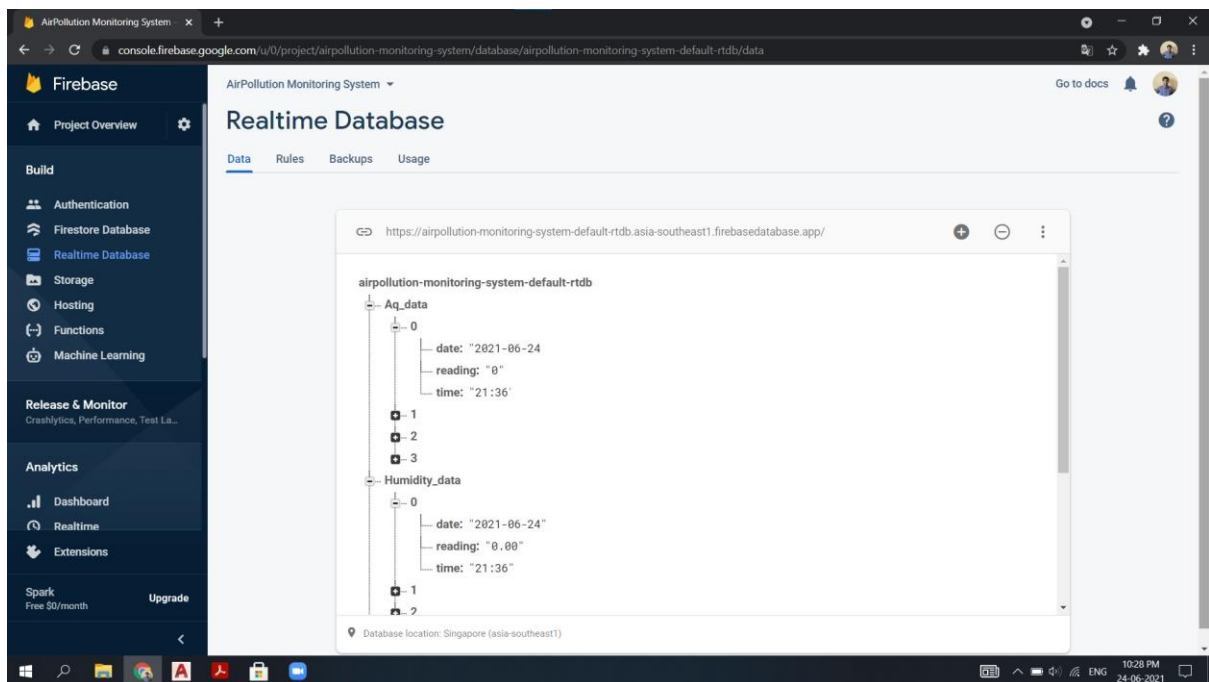
void loop()
{
  sensorValue = analogRead(0);
  lcd.setCursor(0,0);
  lcd.print("AQI=");
  lcd.print(sensorValue,DEC);
  lcd.print(" PM");
  lcd.print(" ");
  lcd.print(" ");
  delay(100);
  DHT.read11(dht_apin);
  Serial.println("T="+String(DHT.temperature)+"", H="+String(DHT.humidity)+"", A="+String(sensorValue));
  delay(500);
}
```

Done compiling.

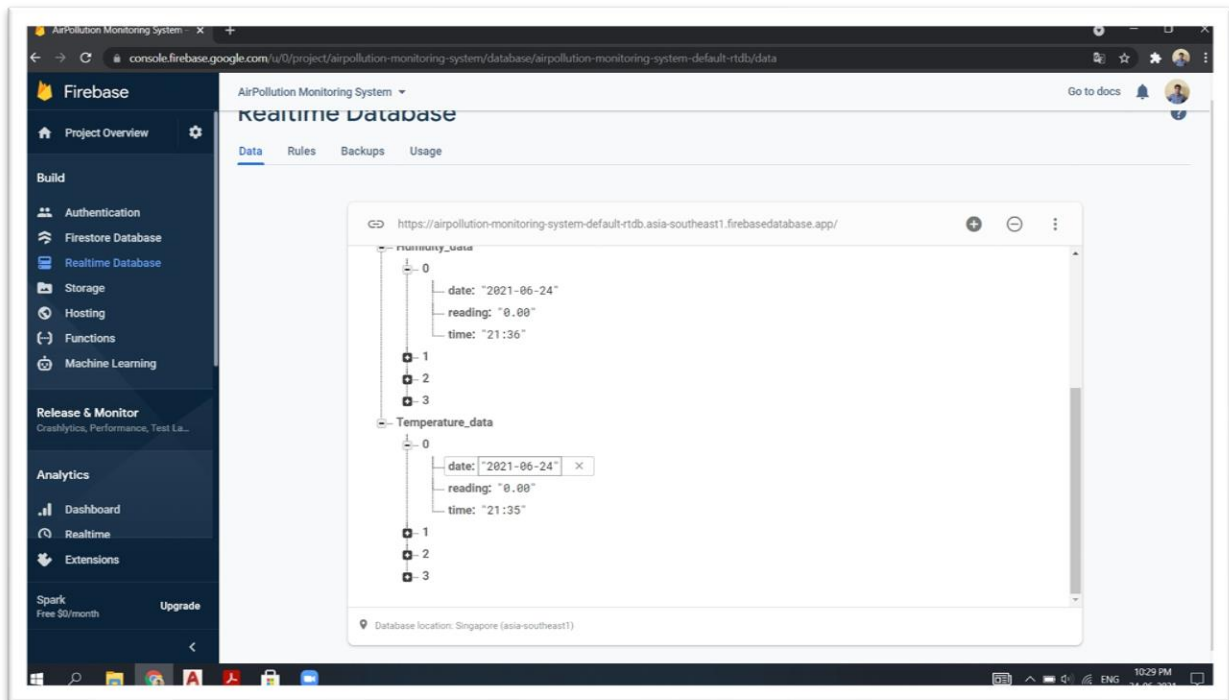
Sketch uses 7116 bytes (22%) of program storage space. Maximum is 32256 bytes.  
Global variables use 279 bytes (13%) of dynamic memory, leaving 1769 bytes for local variables. Maximum is 2048 bytes.

Arduino Uno on COM3

**Fig 3. Arduino Code**



**Fig 4. Realtime Database**



**Fig 4.1. Realtime Database**