```
/*
 * bme280_example.ino
 * Example sketch for bme280
 *
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 * Create Time:
 * Change Log :
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 */
#include "Seeed_BME280.h"
#include <Wire.h>

BME280 bme280;
float offset;
void setup()
{
  Serial.begin(9600);
  if(!bme280.init()){
    Serial.println("Device error!");
  }
```

```
  for (int i =0;i<100;i++){
    offset+=bme280.getPressure();
  }
  offset/=100;
  Serial.println("Offset done...");
  Serial.println(bme280.calcAltitude(offset));
}

void loop()
{
//  Serial.print("Offset value: ");
//  Serial.println(bme280.calcAltitude(offset));
  float pressure=0;
  for (int i=0;i<100;i++){
    pressure += bme280.getPressure();
  }
  pressure/=100;

//  //get and print temperatures
//  Serial.print("Temp: ");
//  Serial.print(bme280.getTemperature());
//  Serial.println("C");//The unit for  Celsius
because original arduino don't support speical
symbols

//  //get and print atmospheric pressure data
//  Serial.print("Pressure: ");
//  Serial.print(pressure = bme280.getPressure());
```

```
//  Serial.println("Pa");

  //get and print altitude data
  float altitude =
bme280.calcAltitude(pressure)-bme280.
calcAltitude(offset);
  altitude *= 100;
  int height = altitude / 10;
  if(height<0) height=0;
  Serial.print("Altitude: ");
  Serial.print(height*10);
  Serial.println(" cm\n");

//  //get and print humidity data
//  Serial.print("Humidity: ");
//  Serial.print(bme280.getHumidity());
//  Serial.println("%\n");

  delay(100);
}
```