HCSR04 hc(PA0, PA1); //initialisation class HCSR04 (trig pin , echo pin)

int weight = 80;

void setup()

{

Serial.begin(9600);

}

void loop()

{

//Serial.println(hc.dist()); // return curent distance in serial

float height = hc.dist();

float height1 = height / 100.0;

float height2 = pow(height1, 2);

int bmi = weight / height2;

Serial.println("Height in cm : ");

Serial.println(height);

Serial.println("Height in square : ");

Serial.println(height2);

Serial.println("BMI : ");

Serial.println(bmi);

delay(200); // we suggest to use over 60ms measurement cycle, in order to prevent trigger signal to the echo signal.

}