// C++ code

//

int sensorValue = 0;

int outputValue = 0;

void setup()

{

pinMode(A0, INPUT);

pinMode(9, OUTPUT);

Serial.begin(600);

pinMode(A0, INPUT);

pinMode(10, OUTPUT);

Serial.begin(600);

}

void loop()

{

// read the value from the sensor

sensorValue = analogRead(A0);

outputValue = map(sensorValue, 0, 1023, 0, 255);

analogWrite(9, outputValue);

Serial.print("sensor = ");

Serial.print(sensorValue);

Serial.print(" output = ");

Serial.println(outputValue);

delay(100); // Wait for 100 millisecond(s)

// read the value from the sensor

sensorValue = analogRead(A0);

outputValue = map(sensorValue, 0, 1023, 0, 255);

analogWrite(10, outputValue);

Serial.print("sensor = ");

Serial.print(sensorValue);

Serial.print(" output = ");

Serial.println(outputValue);

delay(100); // Wait for 100 millisecond(s)

}