**//EXP 2 C++ code//**

int sensorPin = 0;

void setup()

{

Serial.begin(9600);

}

void loop()

{

int reading = analogRead(sensorPin);

float voltage = reading \* 4.68;

voltage /= 1024.0;

float temperatureC = (voltage - 0.5) \* 100;

Serial.print(temperatureC);

Serial.println(" degrees C");

delay(1000);

}

// **EXP 1 C++ code**//

int pirsensor = 0;

void setup()

{

pinMode(2, INPUT);

pinMode(12, OUTPUT);

pinMode(13, OUTPUT);

}

void loop()

{

pirsensor = digitalRead(2);

if(pirsensor == HIGH){

digitalWrite(13,HIGH);

tone(12,500,500);

}

digitalWrite(13, LOW);

}