```
int sensor = 2;
int state = LOW;
int val = 0;
const int buzzer = 3;
const int buzz = 6;
float temp;
int tempPin = 0;

void setup() {
  pinMode(sensor, INPUT);
  pinMode (buzzer, OUTPUT);
  pinMode (buzz, OUTPUT);
  Serial.begin(9600);
}



void loop(){
  temp = analogRead(tempPin);
     temp = temp * 0.48828125;
     Serial.print("TEMPERATURE = ");
   Serial.print(temp);
  Serial.print("*C");
   Serial.println();
   delay(1000);
  if(temp>=60)
  {
     digitalWrite(buzzer,HIGH);
     delay(200);
     digitalWrite(buzzer,LOW);
```

```
    delay(200);
  }

  val = digitalRead(sensor);
  if (val == HIGH) {
    tone(buzz, 10000,500);
  delay(200);
  noTone(buzz);
  delay(200);



    if (state == LOW) {
      Serial.println("Motion detected!");
      state = HIGH;
    }
  }

else {



      if (state == HIGH){
        Serial.println("Motion stopped!");
        state = LOW;
    }
  }
}
```

Circuit design Glorious Crift-Alba

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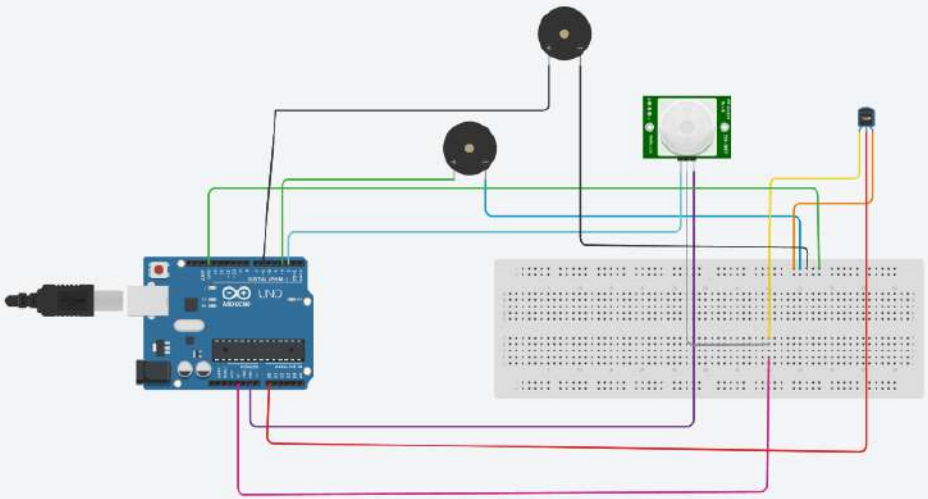
Glorious Crift-Albar

All changes saved

Code | Start Simulation | Send To

Temperature Sensor [TMP36]

Name 4



Text | 1 (Arduino Uno R3)

```
    digitalWrite(buzzer,HIGH);
    delay(200);
    digitalWrite(buzzer,LOW);
    delay(200);
  }

  val = digitalRead(sensor);
  if (val == HIGH) {
    tone(buzz, 10000,500);
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  delay(200);


    if (state == LOW) {
      Serial.println("Motion detected!");
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```

Serial Monitor

```
TEMPERATURE = 19.04*C
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```

Send | Clear

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Circuit design Glorious Crift-Alba

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Circuit design Glori...

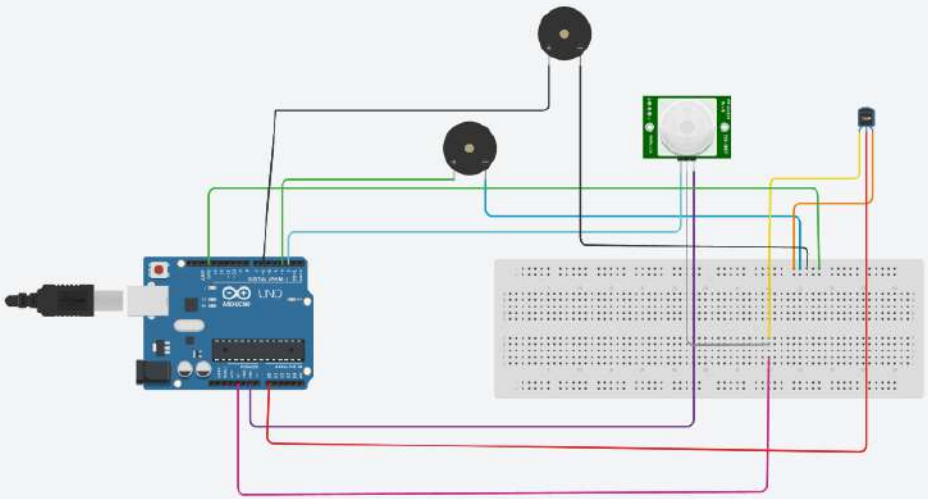
Glorious Crift-Albar

All changes saved

Code | Start Simulation | Send To

Temperature Sensor [TMP36]

Name 4



Text | 1 (Arduino Uno R3)

```
    digitalWrite(buzzer,HIGH);
    delay(200);
    digitalWrite(buzzer,LOW);
    delay(200);
  }

  val = digitalRead(sensor);
  if (val == HIGH) {
    tone(buzz, 10000,500);
  delay(200);
  noTone(buzz);
  delay(200);


    if (state == LOW) {
      Serial.println("Motion detected!");
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      if (state == HIGH){
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Serial Monitor

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Send | Clear

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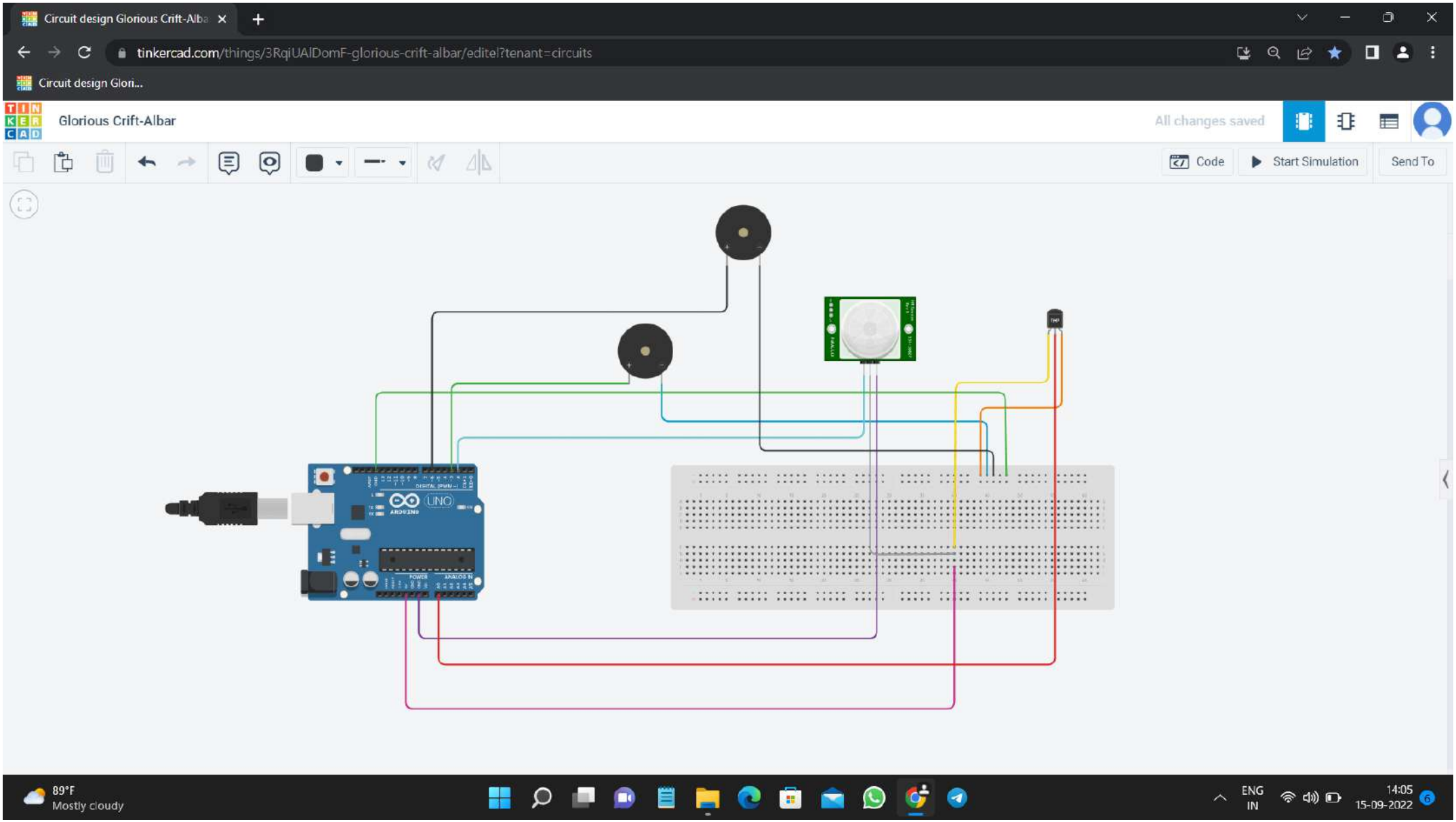
Circuit design Glorious Crift-Alba
tinkercad.com/things/3RqiUAlDomF-glorious-crift-albar/editel?tenant=circuits
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