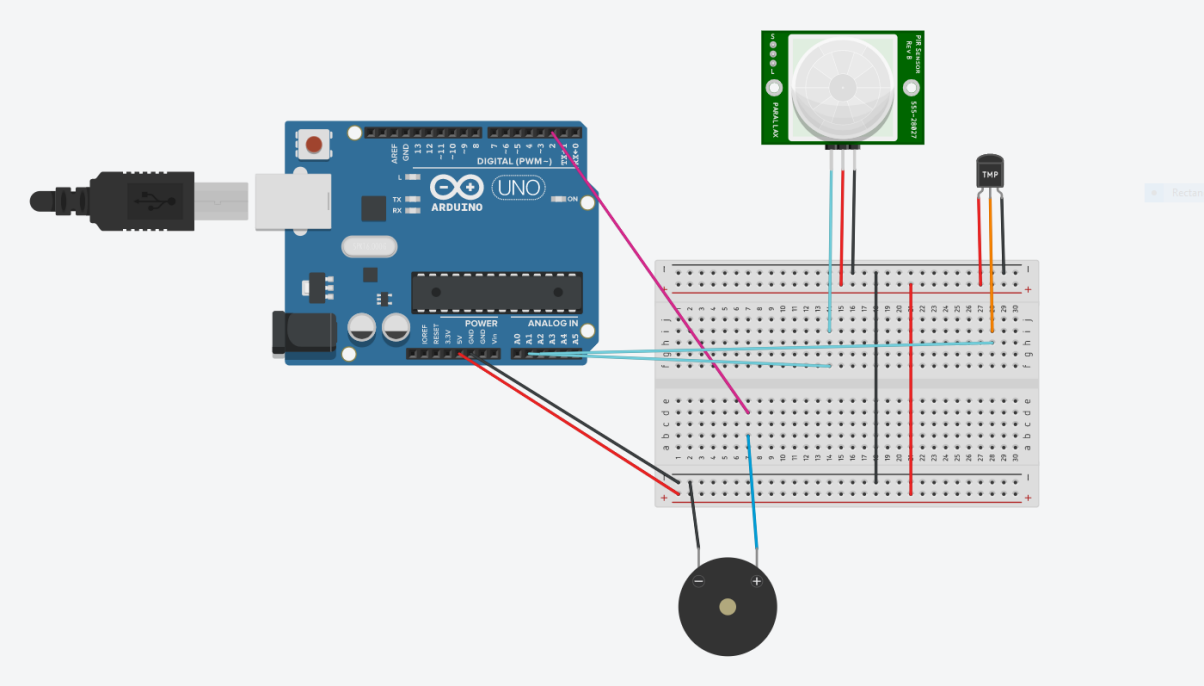
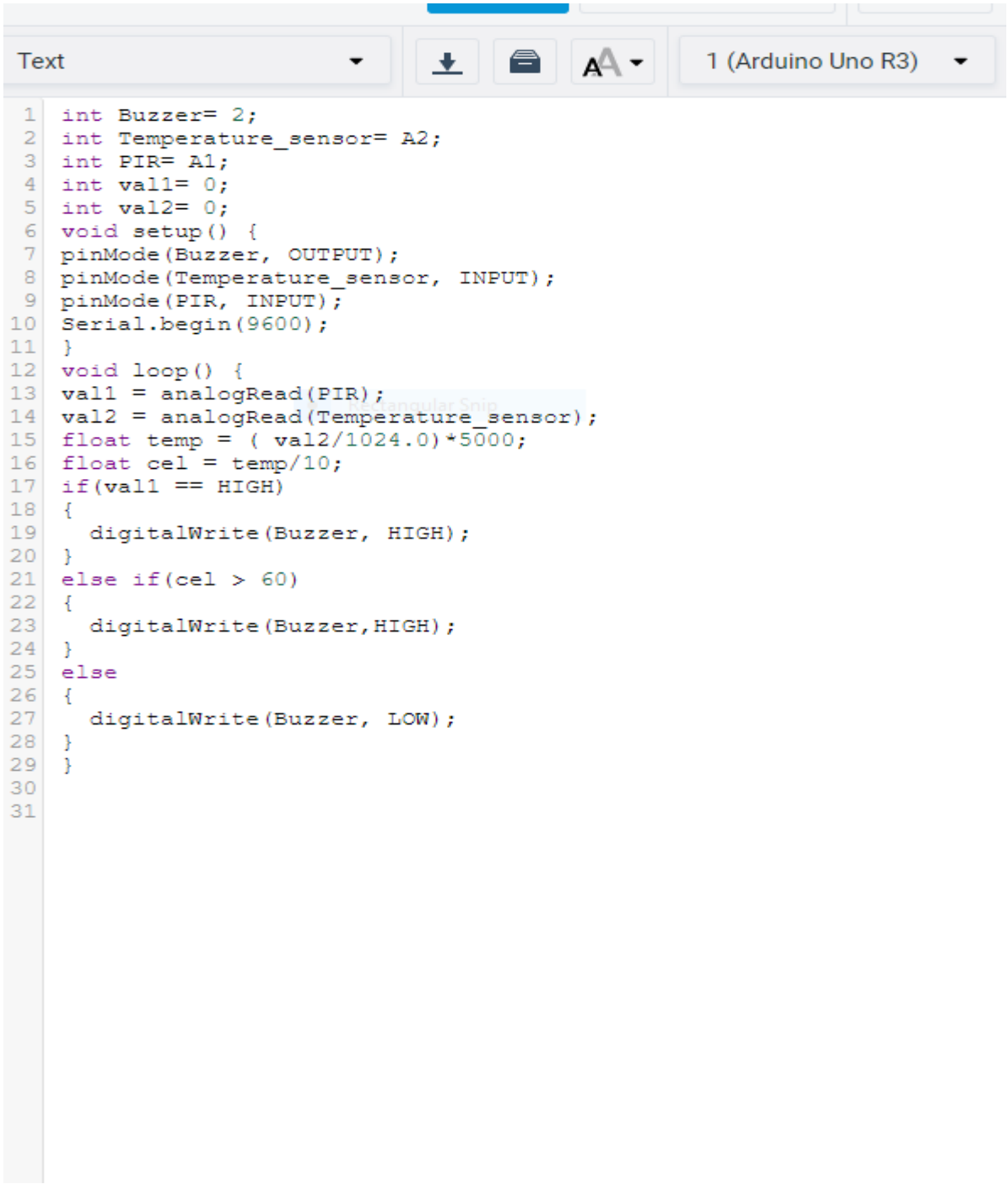
Assignment 1



CIRCUIT (Drive link)

https://drive.google.com/file/d/1581s7h_R_AJpIxFRhDRU6iX-kNZtK2SP/view?usp=drivesdk



CODE

int Buzzer= 2;

int Temperature_sensor= A2;

int PIR= A1;

int val1= 0;

```
int val2= 0;
void setup() {
pinMode(Buzzer, OUTPUT);
pinMode(Temperature_sensor, INPUT);
pinMode(PIR, INPUT);
Serial.begin(9600);
}
void loop() {
val1 = analogRead(PIR);
val2 = analogRead(Temperature_sensor);
float temp = ( val2/1024.0)*5000;
float cel = temp/10;
if(val1 == HIGH)
{
  digitalWrite(Buzzer, HIGH);
}
else if(cel > 60)
{
  digitalWrite(Buzzer,HIGH);
}
else
{
  digitalWrite(Buzzer, LOW);
}
}
```