IBM Assignment 1

IoT- Gas Leakage Monitoring And Alerting System
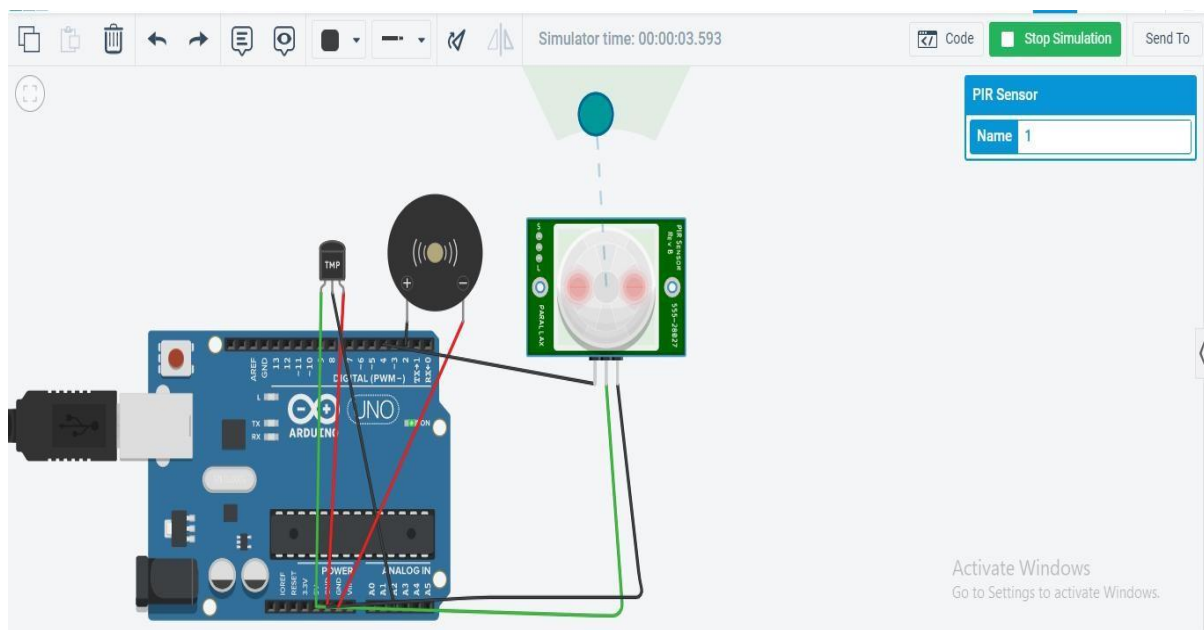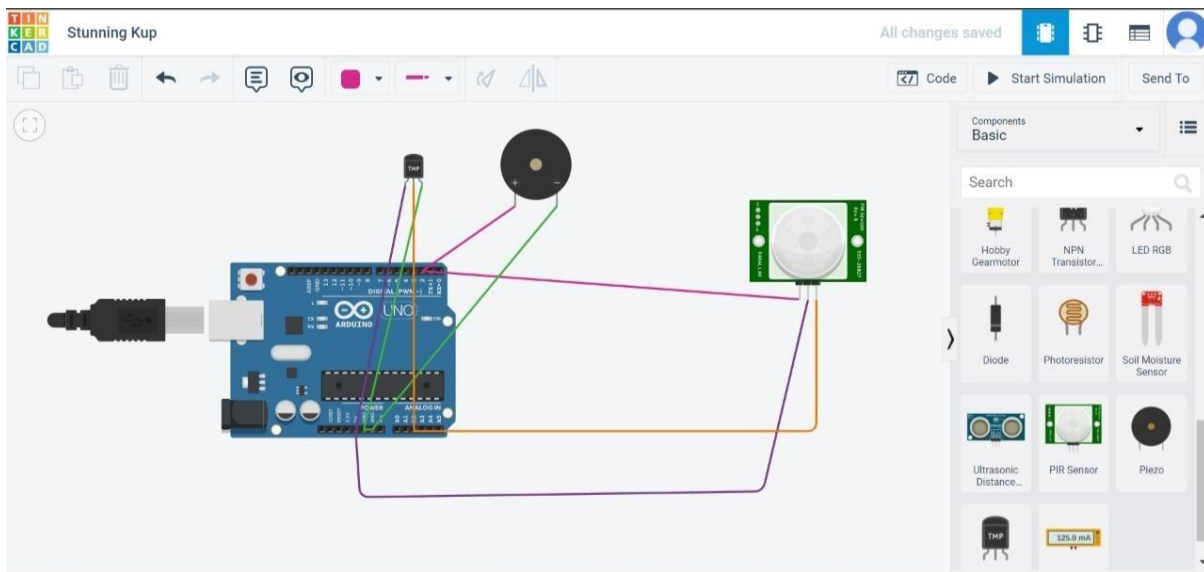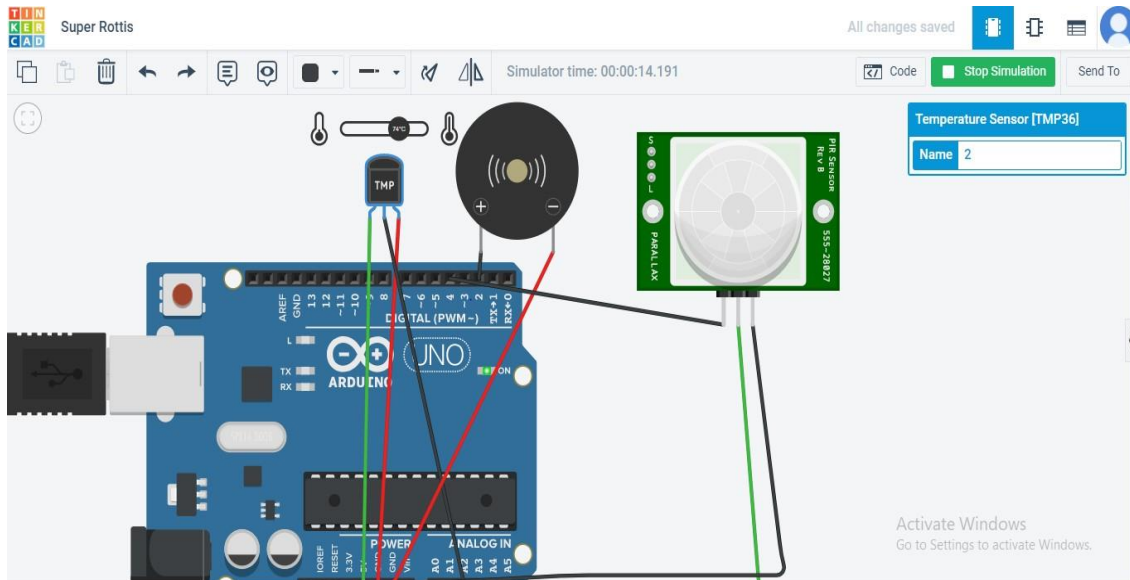
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Simulation in TINKER CAD

SOURCE CODE:

```
void setup()
{
  Serial.begin(9600);
  pinMode(2,OUTPUT);
  pinMode(4,INPUT);
}
void loop()
{
  int motion = digitalRead(4);
  double data = analogRead(A2);
  double n = data/1024;
  double volt = n*5;
  double off = volt - 0.5;
  double temp = off * 100;
  if(temp>60){
  tone(2,100,2000);
  }
  else if(motion==1){
    tone(2,200,2000);
  }
  else{
   noTone(2);
  } }
```