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Program no Week-5(1st-Question)

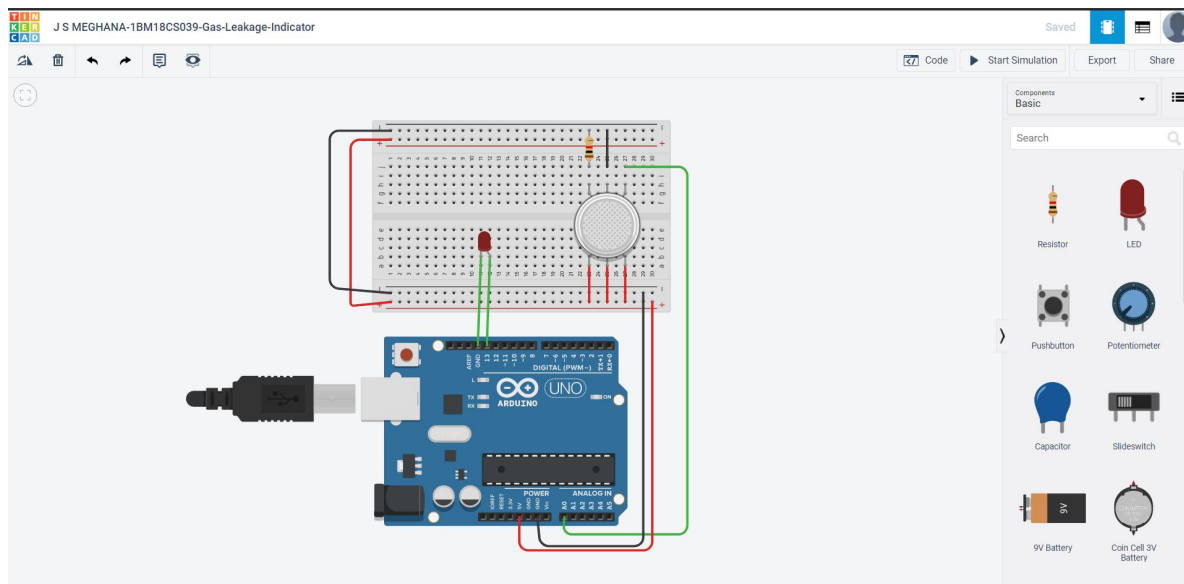
Program Title Gas Leakage Indicator

Aim: Design a smart gas leakage indicator system (Gas sensor and LED)

Hardware Required

1. Arduino Board
2. Bread Board
3. LED
4. Gas sensor
5. Resistor

Circuit Diagram



Code:

```
int LED=13;
const int gas=0;
int Gaspin=A0;

void setup()
{
  pinMode(LED, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  float sensorValue=analogRead(Gaspin);
  if(sensorValue >= 300)
```

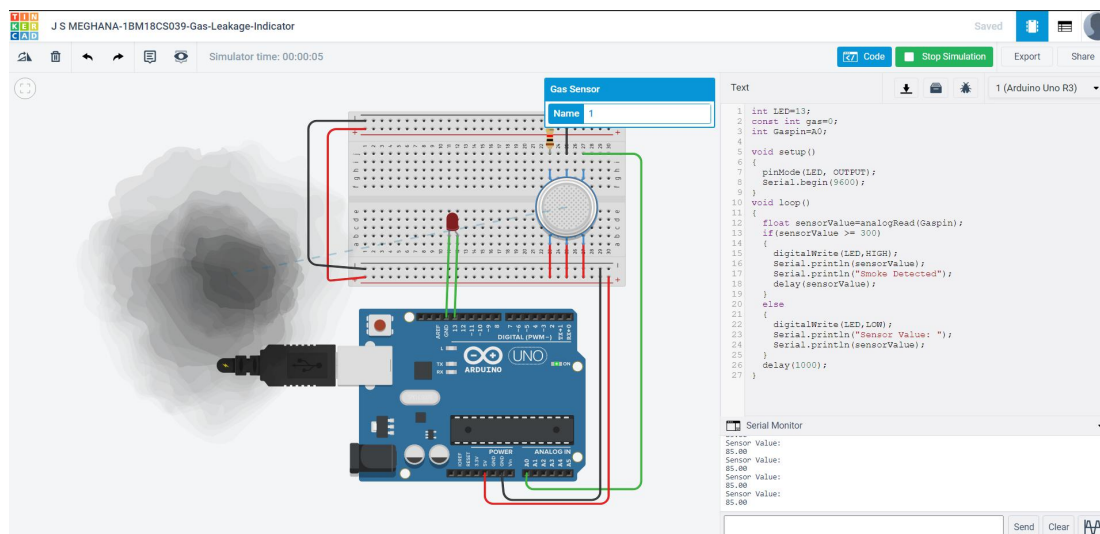
```

    {
    digitalWrite(LED,HIGH);
    Serial.println(sensorValue);
    Serial.println("Smoke Detected");
    delay(sensorValue);
    }
else
{
digitalWrite(LED,LOW);
Serial.println("Sensor Value: ");
Serial.println(sensorValue);
}
delay(1000);
}

```

Observation /Output:

Output-1:



Output-2:

