Program no____9_____

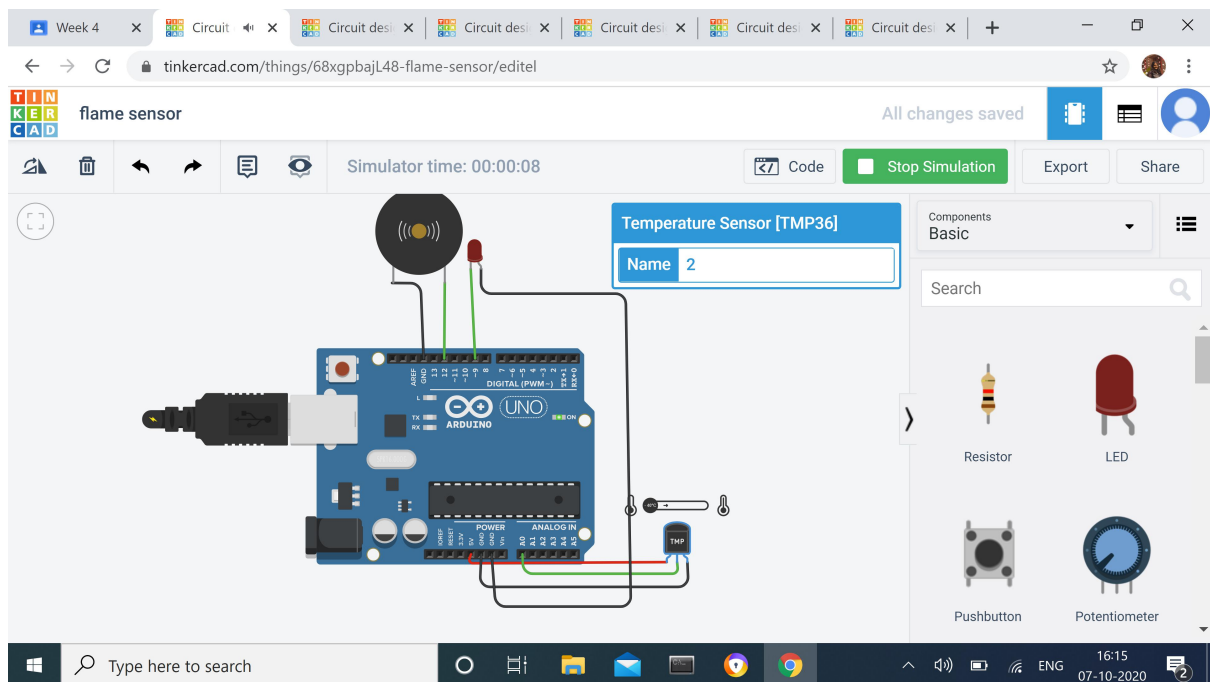# Program Title_____Flame sensor_____

Aim : The light Fades as the sunlight increases

Hardware Required

- Arduino Board
  Piezo
  Temperature Sensor

Circuit Diagram:

Code:

```
Name : U. Avashya
USN : 1BM#CS034
Experiment 9 ———→ Flame Sensor

int sensorPin = A0;
int sensorValue = 0;
int led = 9;
int buzzer = 12;
void buzzer setup ()
{
  pinMode (led, OUTPUT);
  pinMode (buzzer, OUTPUT);
  Serial. begin (9600);
}

void loop()
{
  Serial. println ("Flame Sensor");
  sensorValue = analogRead (sensorPin);
  Serial. println (sensorValue);
  if (sensorValue 2100)
  {
    Serial. println (" Fire detected ");
    Serial. println ("LED on");
    digitalWrite (led, HIGH)
    digitalWrite (buzzer, HIGH);
  }
  digitalWrite (led, LOW);
  digitalWrite (buzzer, LOW);
  delay (sensorValue);
}
```

Observation /Output

Fire alert will be triggered.