Program no: 9

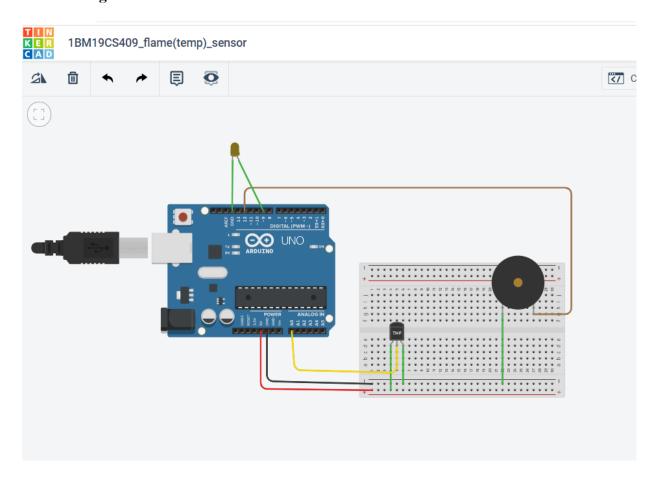
Program Title: Flame (Temp) Sensor

Aim: To turn on the LED and make sound using piezo buzzer upon the temperature alert.

Hardware Required

- Arduino Board
- Breadboard
- Wires
- LED
- Piezo
- Temp Sensor

Circuit Diagram:



Code:

```
Program - 9
Flane os tenf Sensos

const est terdexaturefin = 0;
est led = 9;
est usa = 12;

Void Setuf ()

Promode (usa, overfin);
Promode (usa, overfin);
Sexial begin (2600);

Void loof ()

Void loof ()

float Vollage, degrees (, degrees F;
Vollage = get Vollage (terderaluse fin);
degrees ( = (vollage - 0.5) & 100.0;
degrees F = degrees ( & (9.0/5.0) & 32.0;
Sexial Print (Vollage);
```

```
Sexial. Print (" deg. (: ");

Sexial. Print (degrees ();

Sexial. Print (degrees ();

Sexial. Print (degrees (: "));

Sexial. Print (degrees (: "));

Cexial. Print (degrees (: );

if (degrees (: > 26))

digital write (led, HIGH);

delay (1000);

digitalwrite (led, Low);

delay (500);

tone (12, 10000, 200);

}

Ploat get Voltage (int Pin)

{

return (analog Read (Pin) + 0.004882814);
}
```

Observation / Output:

