

Program Title : Distance Sensor

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IBM18C5042

Code

```
int triggerPin = 7;
```

```
int echoPin = 6;
```

```
void setup()
```

```
{ pinMode (triggerPin, OUTPUT);
```

```
  pinMode (echoPin, INPUT);
```

```
  Serial.begin (9600);
```

```
}
```

```
void loop()
```

```
{ long duration, cin cin;
```

```
  digitalWrite (triggerPin, LOW);
```

```
  delay (2);
```

```
  digitalWrite (triggerPin, HIGH);
```

```
  cin = duration / 29 / 2;
```

```
  Serial.println (cin);
```

```
  delay (1000);
```

```
}
```

Program title: FLAME SENSOR.

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Code

```
int tempin = A0;  
float temp = 0;  
int Buzzer = A1;  
void setup()  
{  
  serial.begin(9600);  
  pinMode(BUZZ, OUTPUT);  
  pinMode(13, OUTPUT);  
}  
void loop()  
{  
  temp = analogRead(tempin);  
  temp = temp * 0.4332;  
  Serial.println(temp);  
  delay(100);  
  if (temp > 30)  
  {  
    digitalWrite(BUZZ, HIGH);  
    digitalWrite(13, HIGH);  
  }  
}
```