

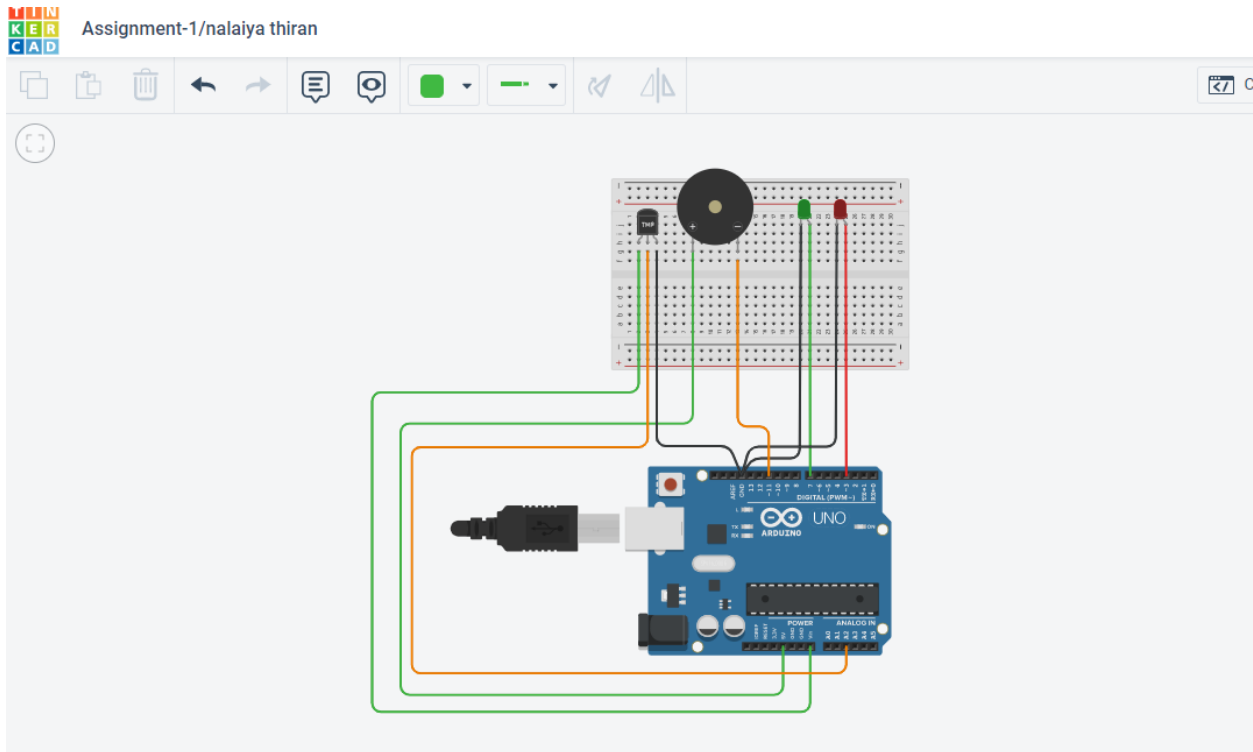
## ASSIGNMENT-1

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### SCHEMATIC(CIRCUIT DIAGRAM)



### CODE:

```
int ledRed = 3;

int ledGreen = 7;

int buzzer = 11;

int LM35 = 2;

void setup()

{

    pinMode(LM35, INPUT);
```

```
pinMode(ledRed, OUTPUT);  
pinMode(ledGreen, OUTPUT);  
pinMode(buzzer, OUTPUT);
```

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

```
}
```

```
void loop()
```

```
{
```

```
int value = analogRead(LM35);
```

```
int temp = value * 0.48;
```

```
Serial.println(temp);
```

```
if(temp < 20) {
```

```
    digitalWrite(ledGreen, HIGH);
```

```
    digitalWrite(ledRed, LOW);
```

```
    noTone(buzzer);
```

```
} else {
```

```
    digitalWrite(ledRed, HIGH);
```

```
    digitalWrite(ledGreen, LOW);
```

```
    tone(buzzer, 400);
```

```
}
```

```
}
```