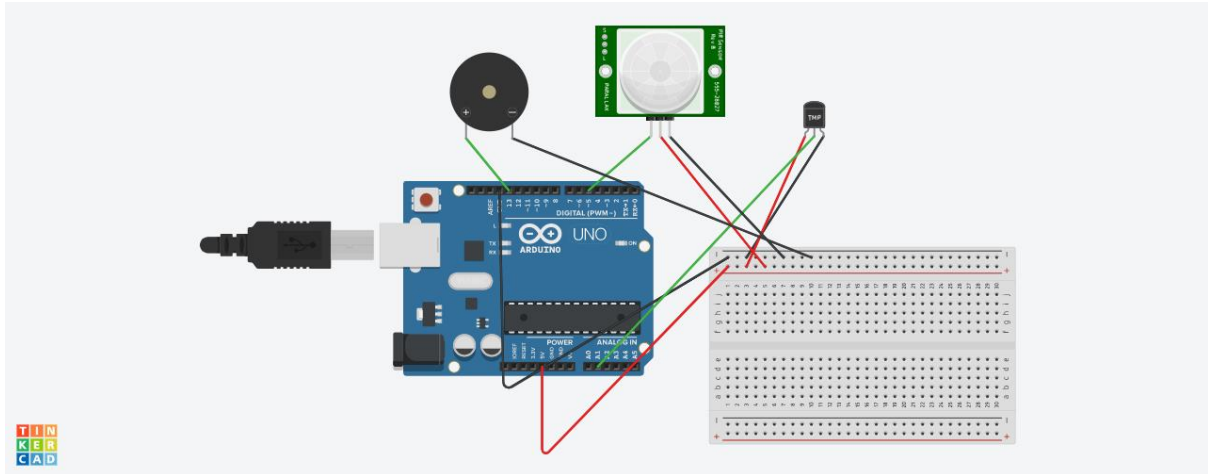


Assignment-1

Name: TAMILVANAN. S

Team ID:PNT2022TMID26547



CODE:

```
int pirsensor =5;
```

```
int buzzer =13;
int pirvalue =0;
float temperature=A1;
float analog;
float voltage;
float celcius;
```

```
void setup()
{
  pinMode(pirsensor, INPUT);
  pinMode(temperature, INPUT);
  pinMode(buzzer, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  analog=analogRead(temperature);

  voltage=analog*5.0/1023;
```

```
celcius=(voltage-0.5)*100.0;
```

```
Serial.print("temperature:");  
Serial.println(celcius);  
if (celcius >=60)  
{
```

```
    tone(buzzer, 200, 100);
```

```
    }  
    delay(100);
```

```
    pirvalue = digitalRead(pirsensor);
```

```
    if (pirvalue == HIGH)  
    {
```

```
        tone(buzzer, 1000, 500);
```

```
    }
```

```
    delay(100);  
}
```