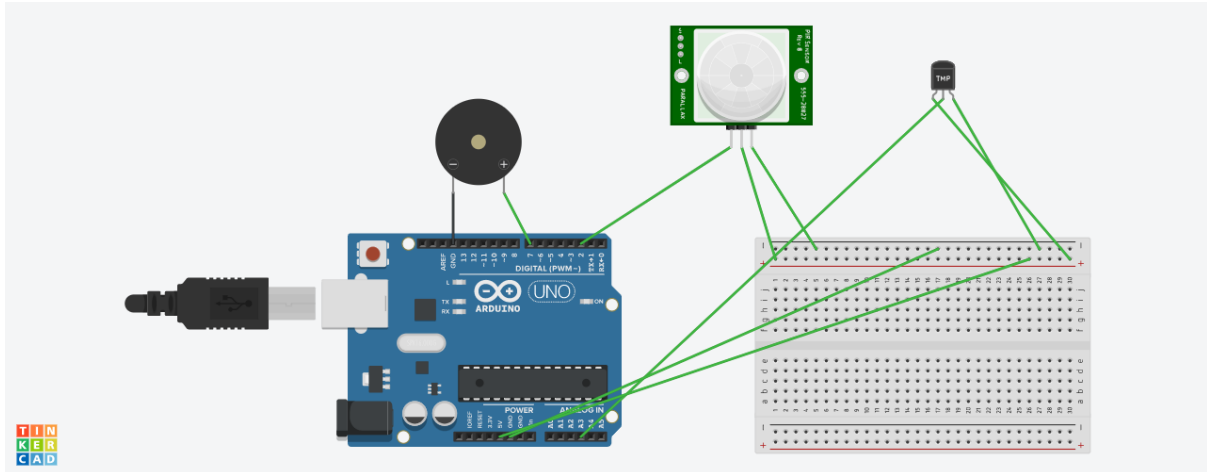


Assignment-1

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CODE:

```
int pinSensor =2;
```

```
int pinBuzzer =7;
```

```
int pirSensor =0;
```

```
float sensor=A3;
```

```
float analog;
```

```
float tempv;
```

```
float tempc;
```

```
float tempf;
```

```
void setup()
```

```
{
```

```
  pinMode(pinSensor, INPUT);
```

```
  pinMode(sensor, INPUT);
```

```
  pinMode(pinBuzzer, OUTPUT);
```

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

```
}
```

```
void loop()
```

```
{
```

```
  analog=analogRead(sensor);
```

```
  tempv=analog*5.0/1023;
```

```
tempc=(tempv-0.5)*100.0;  
tempf=((tempc*9.0)/5.0)+32.0;
```

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

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

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

```
    pirSensor = digitalRead(pinSensor);
```

```
    if (pirSensor == HIGH)  
    {
```

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

```
    }
```

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