

CODE:

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/* Understanding the connectivity of Raspberry-Pi /Beagle board circuit with temperature sensor. Write an application to read the environment temperature. If temperaturethreshold value, generate alerts using LEDs */
import Adafruit_DHT import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BCM)
GPIO.setup(20,GPIO.OUT)
GPIO.setup(26,GPIO.OUT)
GPIO.setwarnings(False)
while True: Humid,Temp = Adafruit_DHT.read_retry(11,21)
print(Humid,Temp)
if(Humid>65): GPIO.output(26,GPIO.HIGH)
if(Temp>28): GPIO.output(20,GPIO.HIGH)
else: GPIO.output(20,GPIO.LOW)
else: GPIO.output(26,GPIO.LOW)
if(Temp>28): GPIO.output(20,GPIO.HIGH)
else: GPIO.output(20,GPIO.LOW)
```

OUTPUT:

```
dht1.py
File Edit Tabs Help
Temp=31.0°C Humidity=81.0%
Temp=31.0°C Humidity=82.0%
Temp=32.0°C Humidity=73.0%
Temp=32.0°C Humidity=71.0%
Temp=32.0°C Humidity=69.0%
Temp=32.0°C Humidity=68.0%
Temp=32.0°C Humidity=67.0%
Temp=32.0°C Humidity=66.0%
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