Python code
Temperature detection

TRACK-IOT

NAME-JOEITA PRIYADHARSHINI A

COLLEGE-MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

TOPIC-BULID A PYTHON PROGRAM TO GENERATE RANDOM NUMBER FOR TEMPERATURE AND TURN ON THE BUZZER IF IT CROSSES A THRESHOLD.

PROGRAM:

```python
import random

for x in range(1,10):

 k=(random.uniform(0,100))

y=(random.uniform(0,100))

 print("Temperature\t",(round(k,2)),"c")

 print("Humidity\t",(round(y,2)),"g/m^3")

 if(k>=30.0):

        print("Buzzer on\n")

 else:

        print("Buzzer off\n")
```

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OUTPUT:

```
Temperature        18.16 c
Humidity           42.11 g/m^3
Buzzer off

Temperature        88.52 c
Humidity           88.68 g/m^3
Buzzer on

Temperature        79.22 c
Humidity           5.48 g/m^3
Buzzer on

Temperature        8.3 c
Humidity           34.42 g/m^3
Buzzer off

Temperature        79.86 c
Humidity           1.03 g/m^3
Buzzer on

Temperature        26.59 c
Humidity           58.92 g/m^3
Buzzer off

Temperature        7.19 c
Humidity           13.99 g/m^3
Buzzer off

Temperature        11.46 c
Humidity           8.07 g/m^3
Buzzer off

Temperature        56.41 c
Humidity           63.78 g/m^3
Buzzer on

...
```