IOT ASSIGNMENT 2

TOPIC: <u>Assignment on temperature and humidity sensing and alarm automation using python</u>

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CODE:

```python
import random
while(True):
  a=random.randint(20,80)
  b=random.randint(20,80)
  if(a>45 and b>75):
    print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
    continue
  elif(a<45 and b<75):
    print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
    break
```

OUTPUT:-

main.py

```python
import random
while(True):
    a=random.randint(20,80)
    b=random.randint(20,80)
    if(a>45 and b>75):
        print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
        continue
    elif(a<45 and b<75):
        print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
        break
```

input

```
^[[20;9~NORMAL TEMPERATURE AND HUMIDITY OF: 24 38 % ALARM IS OFF


...Program finished with exit code 0
Press ENTER to exit console.
```