Assignment -2

Assignment Date 20/09/2022
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Maximum Marks 2 Marks

Question:

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Solution: Python Code:

```
import random
import time
while True:
    temp=random.randint(1,50)
    humudity=random.randint(1,80)
    print("Temperature: ",temp)
    print("Humudity: ",humudity)
    if((temp>15 and temp<50) and (humudity>30 and
humudity<60)):
        print("Room's Temperature and Humudity is Normal")
        print("Alarm OFF")
    else:
        print("Room's Temperature and Humudity is Abnormal")
        print("Alarm ON")
        time.sleep(1)</pre>
```

Output:

