ASSIGNMENT -2

Assignment Date	20.09.2022
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Team ID	PNT2022TMID21741
Maximum Marks	2 Marks

Question-1:

Build a python code to get temperature and humidity generated with random numbers and write a condition to continuously detect alarm in case of high temperature and humidity.

CODE:

```
'''
Let us consider normal temperature=30 Celsius and normal humidity=40%
'''
import random

Temperature=random.randint(1,100)

Humidity=random.randint(1,100)

print(Temperature)

print(Humidity)

if((Temperature>30)&(Humidity>40)):

    print("Temperature and Humidity are HIGH!!! ")

    print("**ALARM ON**")

else:

    print("Temperature and Humidity are NORMAL!!! ")

    print("**ALARM OFF**")
```

OUTPUT:

```
2   Let us consider normal temperature=30 Celsius and normal humidity=4
3   '''
4   import random
5   Temperature=random.randint(1,100)
6   Humidity=random.randint(1,100)
7   print(Temperature)
8   print(Humidity)
9   if((Temperature>30)&(Humidity>40)):
10      print("Temperature and Humidity are HIGH!!! ")
11      print("**ALARM ON**")
12  else:
13      print("Temperature and Humidity are NORMAL!!! ")
14      print("**ALARM OFF**")
15
16
17
18
19
20  |
```

```
92
83
Temperature and Humidity are HIGH!!!
**ALARM ON**
>
```

```
34
4
Temperature and Humidity are NORMAL!!!
**ALARM OFF**
>
```