

ASSIGNMENT -2

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|---------------------|------------------|
| Assignment Date | 20.09.2022 |
| Student Name | S. Kanimozhi |
| Student Roll Number | 142219106042 |
| 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=40
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
93
Temperature and Humidity are HIGH!!!
**ALARM ON**
>
```

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