

Assignment -2

Python
Programming

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| Assignment Date | 30 September 2022 |
| Student Name | SHIRANJEEVI A |
| Student Roll Number | CITC2004207 |
| Maximum Marks | 2 Marks |

Question-1:

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.

CODE:

```
import
random
import os
for i in range(30,70):
    h=random.randint(55,65)
    t=random.randint(35,40)
    temp= t
    humidity=
    hprint(t)
    print(h)
    if(humidity>=65 or temp>=40 ):{
        print("!! HIGH ALERT !!")
    }
    else:{
        print("Low
        ")
    }
}
```

```
main.py
1 import random
2 import os
3 for i in range(30,70):
4     h=random.randint(55,65)
5     t=random.randint(35,40)
6     temp= t
7     humidity=h
8     print(t)
9     print(h)
10 if(humidity>=65 or temp>=40 ):
11     print("!! HIGH ALERT !!")
12 else:
13     print("Low")
14
```

OUTPUT:

```
65
!! HIGH ALERT !!
38
60
Low
37
55
Low
37
64
Low
36
57
Low
35
61
Low
35
64
Low
35
59
Low
```