

Assignment -2
Python Programming

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| Assignment Date | 2 October 2022 |
| Student Name | Monisha L S |
| Student Roll Number | 727819TUIT054 |
| 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=h
    print("temperature=",t)
    print("Humidity=",h)
    if(humidity>=65 or temp>=40):
        print("Result---> !! HIGH ALERT !!")
        print()
    else:
        print("Result---> Low")
        print()
    break
```

```
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("temperature=",t)
9     print("Humidity=",h)
10    if(humidity>=65 or temp>=40):
11        print("Result---> !! HIGH ALERT !!")
12        print()
13    else:
14        print("Result---> Low")
15        print()
16    break
```

OUTPUT:

```
temperature= 39
Humidity= 59
Result---> Low

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

```
temperature= 40
Humidity= 56
Result---> !! HIGH ALERT !!

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