

Assignment -2
Python Programming

Assignment Date	27 September 2022
Student Name	Manisha S
Student Roll Number	621319106053
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume you get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import random
```

```
while True:
```

```
    temp=random.randint(1,100)
```

```
    humidity=random.randint(1,100)
```

```
    print("humidity is:{ } ".format(humidity))
```

```
    print("Temperature is :{}".format(temp))
```

```
    if(humidity<=23):
```

```
        print("humidity is normal")
```

```
    else:
```

```
        print("humidity greater...!!")
```

```
    if(temp<=20):
```

```
        print("normal")
```

```
    else:
```

```
        print("hazard detected")
```

```
assignment2.py - C:\Users\USER\AppData\Local\Programs\Python\Python310\assignment2.py (3.10.7)
File Edit Format Run Options Window Help
import random
while True:
    temp=random.randint(1,100)
    humidity=random.randint(1,100)
    print("humidity is:{}".format(humidity))
    print("Temperature is :{}".format(temp))
    if(humidity<=23):
        print("humidity is normal")
    else:
        print("humidity greater...!!")
    if(temp<=20):
        print("normal")
    else:
        print("hazard detected")

IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Temperature is :14
humidity greater...!!
normal
humidity is:77
Temperature is :44
humidity greater...!!
hazard detected
humidity is:39
Temperature is :55
humidity greater...!!
hazard detected
humidity is:69
Temperature is :52
humidity greater...!!
hazard detected
humidity is:41
Temperature is :45
humidity greater...!!
hazard detected
humidity is:57
Temperature is :88
humidity greater...!!
hazard detected
humidity is:32
Temperature is :34
humidity greater...!!
hazard detected
```