

Assignment -2
Python Programming

Assignment Date	28 September 2022
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Maximum Marks	2 Marks

Question-1:

Build a python code, assume you 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.

Program

```
import random

def temp(t):
    if(t>36 and t<80):
        print("alaram ring high")
    elif(t>-7 and t<36):
        print(t)
    elif(t<-5):
        print("alaram ring low")
    print(t)

def hum(h):
    if(h>36 and h<80):
        print("alaram ring high")
    elif(h>-7 and h<36):
        print(t)
    elif(h<-5):
        print("alaram ring low")
    print(h)

i=0
while i<5:
```

```
h=random.randint(0,100)
```

```
t=random.randint(-40,50)
```

```
temp(t)
```

```
hum(h)
```

```
i+=1
```

```
main.py
1 import random
2 def temp(t):
3     if(t>36 and t<80):
4         print("alaram ring high")
5     elif(t>-7 and t<36):
6         print(t)
7     elif(t<-5):
8         print("alaram ring low")
9     print(t)
10 def hum(h):
11     if(h>36 and h<80):
12         print("alaram ring high")
13     elif(h>-7 and h<36):
14         print(t)
15     elif(h<-5):
16         print("alaram ring low")
17     print(h)
18 i=0
19 while i<5:
20     h=random.randint(0,100)
21     t=random.randint(-40,50)
22     temp(t)
23     hum(h)
24     i+=1
25
```

```
alarm ring high
38
alarm ring high
43
alarm ring low
-34
-34
29
alarm ring low
-14
-14
4
-6
-6
-6
6
alarm ring low
-24
alarm ring high
56

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