

Assignment -2

Python Programming

Assignment Date	21 September 2022
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Maximum 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.

Solution:

```
#TEMPERATURE AND HUMIDITY VALUES---MAHESHKUMAR
```

```
#temp-TEMPERATURE, hum-HUMIDITY
```

```
import random
```

```
while True:
```

```
    temp = random.randint(20, 40)
```

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

```
    print(temp,'*C')
```

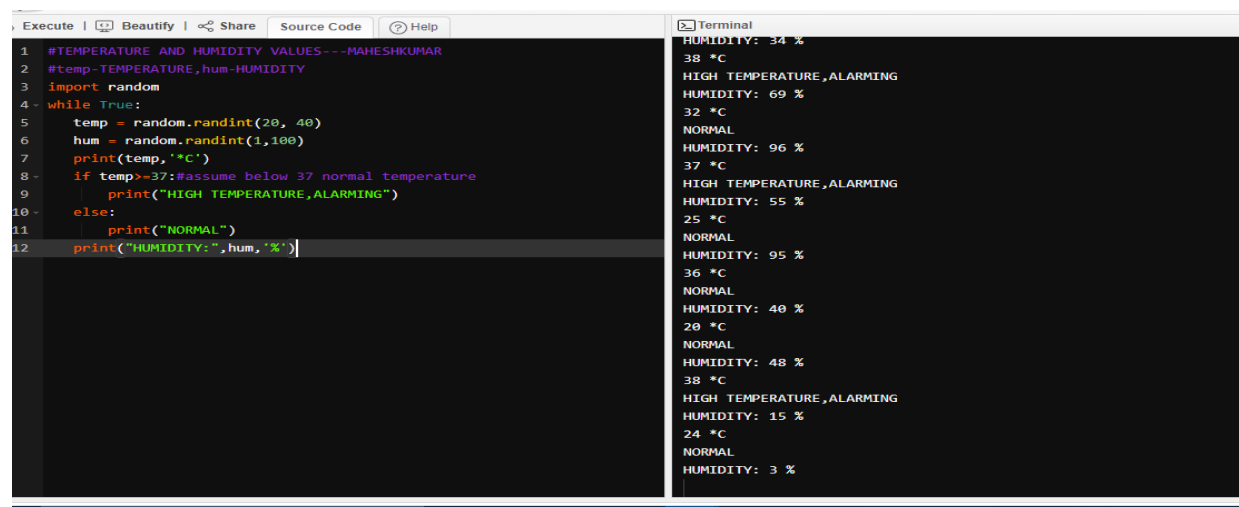
```
    if temp>=37:#assume below 37 normal temperature
```

```
        print("HIGH TEMPERATURE,ALARMING")
```

```
    else:
```

```
        print("NORMAL")
```

```
    print("HUMIDITY:",hum,'%')
```



```
1 #TEMPERATURE AND HUMIDITY VALUES---MAHESHKUMAR
2 #temp-TEMPERATURE, hum-HUMIDITY
3 import random
4 while True:
5     temp = random.randint(20, 40)
6     hum = random.randint(1,100)
7     print(temp,'*C')
8     if temp>=37:#assume below 37 normal temperature
9         print("HIGH TEMPERATURE,ALARMING")
10    else:
11        print("NORMAL")
12    print("HUMIDITY:",hum,'%')
```

Terminal output:

```
HUMIDITY: 34 %
38 *C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 69 %
32 *C
NORMAL
HUMIDITY: 96 %
37 *C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 55 %
25 *C
NORMAL
HUMIDITY: 95 %
36 *C
NORMAL
HUMIDITY: 40 %
20 *C
NORMAL
HUMIDITY: 48 %
38 *C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 15 %
24 *C
NORMAL
HUMIDITY: 3 %
```

