

Assignment – 2

Python programming

Assignment Date	27 September 2022
Student Name	NITHYA SRI SANTHOSHINI K V N S
Student Roll Number	910019106029
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?

Solution:

```
import random
```

```
import time
```

```
while True:
```

```
t=random.randint(25,200)
```

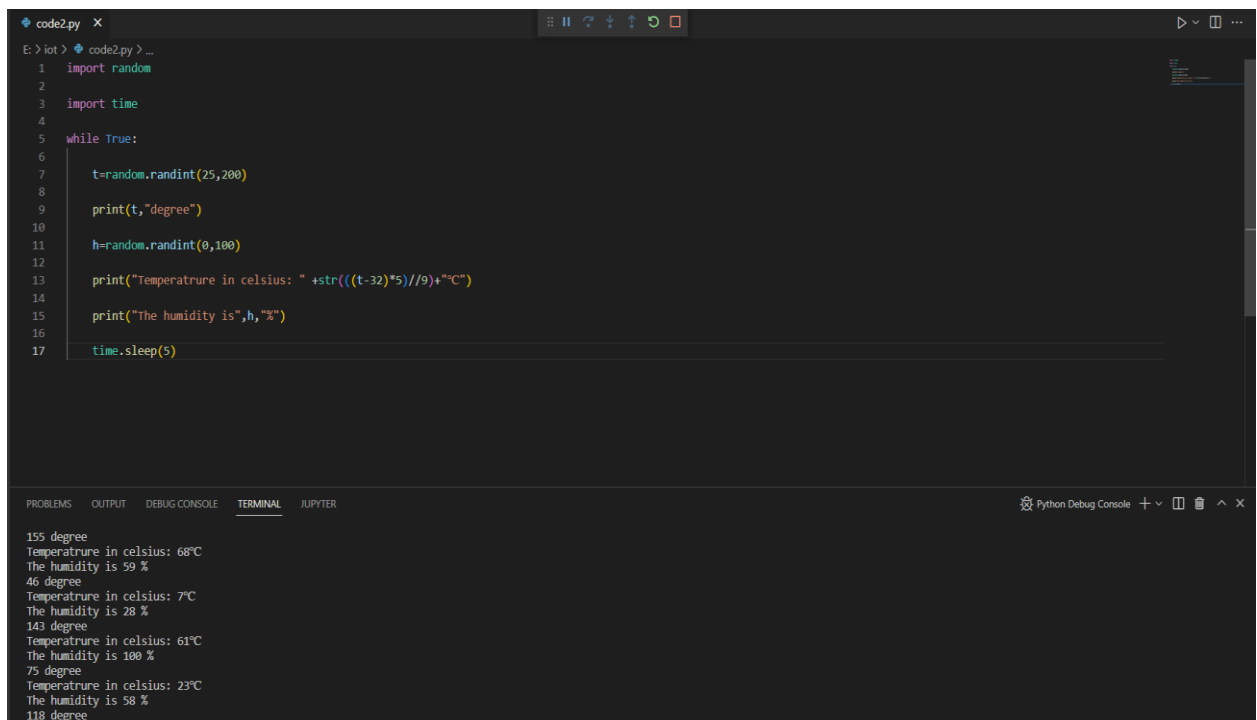
```
print(t,"degree")
```

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

```
print("Temperatrure in celsius: " +str(((t-32)*5)//9)+"°C")
```

```
print("The humidity is",h,"%")
```

```
time.sleep(5)
```



```
code2.py x
E:\>iot>code2.py > ...
1 import random
2
3 import time
4
5 while True:
6
7     t=random.randint(25,200)
8
9     print(t,"degree")
10
11     h=random.randint(0,100)
12
13     print("Temperatrure in celsius: " +str(((t-32)*5)//9)+"°C")
14
15     print("The humidity is",h,"%")
16
17     time.sleep(5)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
155 degree
Temperature in celsius: 68°C
The humidity is 59 %
46 degree
Temperature in celsius: 7°C
The humidity is 28 %
143 degree
Temperature in celsius: 61°C
The humidity is 100 %
75 degree
Temperature in celsius: 23°C
The humidity is 58 %
118 degree
```