Assignment -2
Python Programming

Assignment Date	27 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.

Solution: import time i=0 while (i<=1440): i=i+1

time.sleep(10) import random

temp=random.randint(0,30)

humid=random.randint(1,100) if temp<=15:

print(temp,"degree,the temperature is low") elif

temp<=25:

   print(temp,"degree,the temperature is normal")

  else:

   print(temp,"degree,the temperature is high,Alarm is

  ON") if humid<=50: print(humid,"the humidity is low") elif

  humid<=80:

   print(humid,"the humidity is normal")

else print(humid,"the humidity is high")

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File   Edit   Format   Run   Options   Window   Help
import time
i=0
while (i<=1440):
    i=i+1
    time.sleep(10)
    import random
    temp=random.randint(0,30)
    humid=random.randint(1,100)
    if temp<=15:
        print(temp,"degree,the temperature is low")
    elif temp<=25:
        print(temp,"degree,the temperature is normal")
    else:
        print(temp,"degree,the temperature is high,Alarm is ON")
    if humid<=50:
        print(humid,"the humidity is low")
    elif humid<=80:
        print(humid,"the humidity is normal")
    else:
        print(humid,"the humidity is high")
```

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File   Edit   Shell   Debug   Options   Window   Help
94 the humidity is high
3 degree,the temperature is low
43 the humidity is low
19 degree,the temperature is normal
40 the humidity is low
14 degree,the temperature is low
1 the humidity is low
7 degree,the temperature is low
77 the humidity is normal
12 degree,the temperature is low
39 the humidity is low
1 degree,the temperature is low
45 the humidity is low
16 degree,the temperature is normal
31 the humidity is low
18 degree,the temperature is normal
78 the humidity is normal
3 degree,the temperature is low
73 the humidity is normal
21 degree,the temperature is normal
7 the humidity is low
6 degree,the temperature is low
38 the humidity is low
```