

Assignment -2

Python Programming

Assignment Date	27 September 2022
Student Name	Ashika.R
Student Roll Number	960219106038
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 the alarm in case of high temperature.

Solution:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b<60):

        print("Temperature is",a)

        print("Humidity is",b)

        print("Temperature and Humidity is high!")

    elif(a<35 and b<60):


        print("Temperature is",a)


        print("Humidity is",b)

        print("Temperature and Humidity is normal")

    break
```

<div>aa.py - C:\Users\ELCOT\Desktop\aa.py (3.10.7)</div> <div>File Edit Format Run Options Window Help</div> <pre>import random while(True): a=random.randint(10,99) b=random.randint(10,99) if(a>35 and b<60): print("Temperature is",a) print("Humidity is",b) print("Temperature and Humidity is high!") elif(a<35 and b<60): print("Temperature is",a) print("Humidity is",b) print("Temperture and Humidity is normal") break</pre>	<div>IDLE Shell 3.10.7</div> <div>File Edit Shell Debug Options Window Help</div> <pre>Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, AMD64)] on win32 Type "help", "copyright", "credits" or "license()" >>> ===== RESTART: C:\Users\ELCOT\Desktop\ Temperature is 75 Humidity is 42 Temperature and Humidity is high! Temperature is 65 Humidity is 11 Temperature and Humidity is high! Temperature is 71 Humidity is 10 Temperature and Humidity is high! Temperature is 80 Humidity is 11 Temperature and Humidity is high! Temperature is 92 Humidity is 36 Temperature and Humidity is high! Temperature is 65 Humidity is 20 Temperature and Humidity is high! Temperature is 78 Humidity is 51 Temperature and Humidity is high! Temperature is 13 Humidity is 18 Temperture and Humidity is normal</pre>
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