

IBM ASSIGNMENT – 2

Team No:3

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ASSIGNMENT QUESTION :

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.

PYTHON CODE:

```
import random
```

```
import time
```

```
while(100):
```

```
    Temperature=random.randrange(35,70,2)
```

```
    if(Temperature<40):
```

```
        print('The temperature is normal only')
```

```
    else:
```

```
        print('The temperature is high and it is',Temperature,"Celsious")
```

```
    time.sleep(4)
```

```
    Humidity=random.randrange(50,65,3)
```

```
    if(Humidity <55):
```

```
        print("The humidity is dry and comfy")
```

```
    else:
```

```
        print("The humidity is high and its",Humidity,"here")
```

```
    time.sleep(4)
```

EXECUTION RESULT

```
*python project 2 code.py - C:/Users/sanja/OneDrive/Documents/python project 2 code.py (3.9.8)*
File Edit Format Run Options Window Help
import random
import time
while(100):
    Temperature=random.randrange(35,70,2)
    if(Temperature<40):
        print('The temperature is normal only')
    else:
        print('The temperature is high and it is',Temperature,"Celsious")
    time.sleep(4)

    Humidity=random.randrange(50,65,3)
    if(Humidity <55):
        print("The humidity is dry and comfy")
    else:
        print("The humidity is high and its",Humidity,"here")

    time.sleep(4)
```

```
*IDLE Shell 3.9.8 - C:/Users/sanja/OneDrive/Documents/ibm project.py (3.9.8)*
File Edit Shell Debug Options Window Help
The humidity is high and its 56 here
The temperature is normal only
The humidity is high and its 59 here
The temperature is high and it is 69 Celsious
The humidity is dry and comfy
The temperature is high and it is 67 Celsious
The humidity is high and its 62 here
The temperature is high and it is 53 Celsious
The humidity is high and its 56 here
The temperature is high and it is 53 Celsious
The humidity is dry and comfy
The temperature is high and it is 59 Celsious
The humidity is high and its 56 here
The temperature is high and it is 63 Celsious
The humidity is dry and comfy
The temperature is normal only
The humidity is high and its 56 here
The temperature is high and it is 43 Celsious
The humidity is dry and comfy
The temperature is high and it is 59 Celsious
The humidity is high and its 56 here
The temperature is high and it is 63 Celsious
The humidity is high and its 62 here
The temperature is normal only
The humidity is high and its 56 here
The temperature is normal only
The humidity is high and its 62 here
The temperature is high and it is 49 Celsious
The humidity is high and its 56 here
The temperature is high and it is 41 Celsious
The humidity is high and its 59 here
The temperature is high and it is 43 Celsious
The humidity is high and its 59 here
The temperature is high and it is 55 Celsious
```

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