Assignment -2

Assignment Date	27 September 2022
Student Name	Karthick raja S
Student Roll Number	611219106035
Maximum Marks	2 Marks

Question:

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.

Code:

```python
import random
while(True):
    x=random.randint(10,99)
    y=random.randint(10,99)
    if(x>40 and y>70):
        print("High Temprature of ",x,"and Humidity of:",y, "alarm is ON")
    elif(x<30 and y<55):
        print("High Temprature of ",x,"and Humidity of:",y, "alarm is OFF")
```

Output:

```
High Temprature of  11 and Humidity of: 16 alarm is OFF
High Temprature of  13 and Humidity of: 54 alarm is OFF
High Temprature of  60 and Humidity of: 76 alarm is ON
High Temprature of  92 and Humidity of: 74 alarm is ON
High Temprature of  12 and Humidity of: 19 alarm is OFF
High Temprature of  43 and Humidity of: 83 alarm is ON
High Temprature of  56 and Humidity of: 77 alarm is ON
High Temprature of  69 and Humidity of: 72 alarm is ON
High Temprature of  45 and Humidity of: 87 alarm is ON
High Temprature of  87 and Humidity of: 92 alarm is ON
High Temprature of  90 and Humidity of: 88 alarm is ON
High Temprature of  95 and Humidity of: 98 alarm is ON
High Temprature of  94 and Humidity of: 73 alarm is ON
High Temprature of  26 and Humidity of: 40 alarm is OFF
High Temprature of  81 and Humidity of: 95 alarm is ON
High Temprature of  22 and Humidity of: 43 alarm is OFF
High Temprature of  58 and Humidity of: 76 alarm is ON
High Temprature of  89 and Humidity of: 83 alarm is ON
High Temprature of  74 and Humidity of: 72 alarm is ON
High Temprature of  73 and Humidity of: 95 alarm is ON
High Temprature of  48 and Humidity of: 79 alarm is ON
High Temprature of  90 and Humidity of: 77 alarm is ON
High Temprature of  16 and Humidity of: 48 alarm is OFF
High Temprature of  71 and Humidity of: 72 alarm is ON
High Temprature of  96 and Humidity of: 98 alarm is ON
High Temprature of  21 and Humidity of: 52 alarm is OFF
High Temprature of  43 and Humidity of: 74 alarm is ON
High Temprature of  77 and Humidity of: 80 alarm is ON
High Temprature of  13 and Humidity of: 22 alarm is OFF
High Temprature of  14 and Humidity of: 33 alarm is OFF
High Temprature of  80 and Humidity of: 87 alarm is ON
High Temprature of  71 and Humidity of: 92 alarm is ON
High Temprature of  14 and Humidity of: 44 alarm is OFF
High Temprature of  22 and Humidity of: 13 alarm is OFF
High Temprature of  61 and Humidity of: 91 alarm is ON
High Temprature of  23 and Humidity of: 52 alarm is OFF
High Temprature of  15 and Humidity of: 40 alarm is OFF
High Temprature of  90 and Humidity of: 71 alarm is ON
High Temprature of  81 and Humidity of: 77 alarm is ON
High Temprature of  57 and Humidity of: 93 alarm is ON
```

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```