Mohamed Sathak AJ College of Engineering

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Assignment - 2

Build a python code, assume you get temperature and humidity values (generated with random functions to a variable) and write a condition to continuously detect alarm in case of high temperature

Code :

```python
import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print(Temperature) print(Humidity)
if((Temperature>38)&(Humidity>40)):
    print("Temperature and Humidity are HIGH ! ")
print("*** ALARM ON ***") else:
    print("Temperature and Humidity are NORMAL ! ")
print("*** ALARM OFF ***")
```

Output:

```
1  import random
2  Temperature=random.randint(1,100)
3  Humidity=random.randint(1,100)
4  print(Temperature)
5  print(Humidity)
6  if((Temperature>38)&(Humidity>40)):
7      print("Temperature and Humidity are HIGH ! ")
8      print("*** ALARM ON ***")
9  else:
10     print("Temperature and Humidity are NORMAL ! ")
11     print("*** ALARM OFF ***")
```

```
35
54
Temperature and Humidity are NORMAL !
*** ALARM OFF ***
>
```

```
1  import random
2  Temperature=random.randint(1,100)
3  Humidity=random.randint(1,100)
4  print(Temperature)
5  print(Humidity)
6  if((Temperature>38)&(Humidity>40)):
7      print("Temperature and Humidity are HIGH ! ")
8      print("*** ALARM ON ***")
9  else:
10     print("Temperature and Humidity are NORMAL ! ")
11     print("*** ALARM OFF ***")
```

```
59
86
Temperature and Humidity are HIGH !
*** ALARM ON ***
>
```

done by:
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