ASSIGNMENT 2   RAMPRIYA.N

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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.

Code: import

random i=5

while(True):

a=random.randint(10,100)

b=random.randint(10,100)   if(a>35

and b<65):

print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")

elif(a<35 and b>65):

print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")

if(i<55):

i=i+1   random

else:

break

Output:

Run | Debug | Stop | Share | Save | {} Beautify

Language Python 3

main.py

```python
1  import random
2  i=5
3  while(True):
4      a=random.randint(10,100)
```

input

```
HIGH TEMPERATURE AND HUMIDITY OF: 58 36 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 69 17 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 75 58 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 50 54 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 17 96 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 55 23 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 74 53 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 49 46 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 80 63 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 92 13 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 75 21 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 31 89 % ALARM IS OFF
NORMAL TEMPERATURE AND HUMIDITY OF: 11 93 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 54 18 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 14 93 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 46 14 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 86 58 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 24 70 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 89 56 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 12 88 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 96 14 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 59 12 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 88 15 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 39 18 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 60 23 % ALARM IS ON


...Program finished with exit code 0
Press ENTER to exit console.
```

7:25 AM
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