Assignment-2

Python programming

Assignment date	27th September 2022
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Maximum Marks	2 Marks

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.

CODE :

```
 import random

print ("welcome to me ")

temp=int(random.randint(0,100))

humid=int(random.randint(0,100))

if(temp>=1) and(temp<=20):

   print (f"humidity level{humid}% cold breeze")

elif(temp>=21) and(temp<=29):

   print (f"humidity level {humid}%, room temperature")

elif(temp>=30) and(temp<=54):

   print (f"humidity level {humid}%, high temperature, switch on the AC ")

elif(temp>=-40) and(temp<=-1):

   print (f"humidity level{humid}%, freezing")

else:
```

print ("humidity level 0%, house is burning")

```
1   import random
2   print("WELCOME")
3   temp=int(random.randint(0,100))
4   humid=int(random.randint(0,100))
5   if(temp>=1)and(temp<=20):
6       print(f"humidity level {humid}% cold")
7   elif(temp>=21)and(temp<=30):
8       print(f"humidity level {humid}% Normal")
9   elif(temp>=31)and(temp<=55):
10      print(f"humidity level {humid}% High temperature")
11  elif(temp>=-30)and(temp<=-1):
12      print(f"humidity level {humid}% Freezing temperature")
13  else:
14      print(f"humidity level is 0")
```

Output:

```
WELCOME
humidity level is 0
> |
```

```
WELCOME
humidity level 21% cold
>
```

```
WELCOME
humidity level 59% High temperature
> |
```