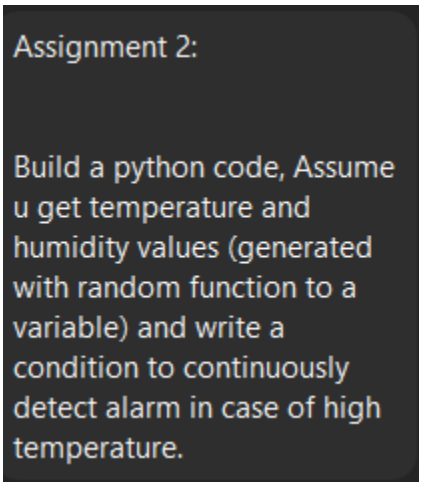
Question:



Program:

```
import random as r                          #importing random module as r for generating random values from 0 to 99
class Measurement:                          #created a Measurement class for reusability and cleaniness of code
    def __init__(self, temperature, humidity):     #Passed two methods temperature and humidity
        self.temperature = temperature
        self.humidity = humidity
while(True):                                #while loop for continuous monitoring of temperature and humidity value
    random_temp_value = int(r.randint(0,99))       #Generating value from 0 to 99 for temperature
    random_hum_value = int(r.randint(0,99))        #Generating value from 0 to 99 for humidity
    class_init = Measurement(random_temp_value , random_hum_value)  #calling class Measurement with two arguments
    if(class_init.temperature >= 40 or class_init.humidity >= 70):  #Control flow
        print("Alarm is HIGH!!")                   # Alarm is HIGH!! when both the condition are true
    else:
        print("Alarm is LOW")                      #Alarm is LOW when both the condition are false
```

Output:


main.py
Run
Shell
Clear
import random as r #importing random module as r for generating random values from 0 to 99
class Measurement: #created a Measurement class for reusability and cleaniness of code
def __init__(self, temperature, humidity): #Passed two methods temperature and humidity
self.temperature = temperature
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while(True): #while loop for continuous monitoring of temperature and humidity value
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class_init = Measurement(random_temp_value , random_hum_value) #calling class Measurement with two arguments
if(class_init.temperature >= 40 or class_init.humidity >= 70): #Control flow
print("Alarm is HIGH!!") # Alarm is HIGH!! when both the condition are true
else:
print("Alarm is LOW") #Alarm is LOW when both the condition are false
Alarm is HIGH!!
Alarm is LOW
Alarm is HIGH!!
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