R M K COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

ASSIGNMENT- II

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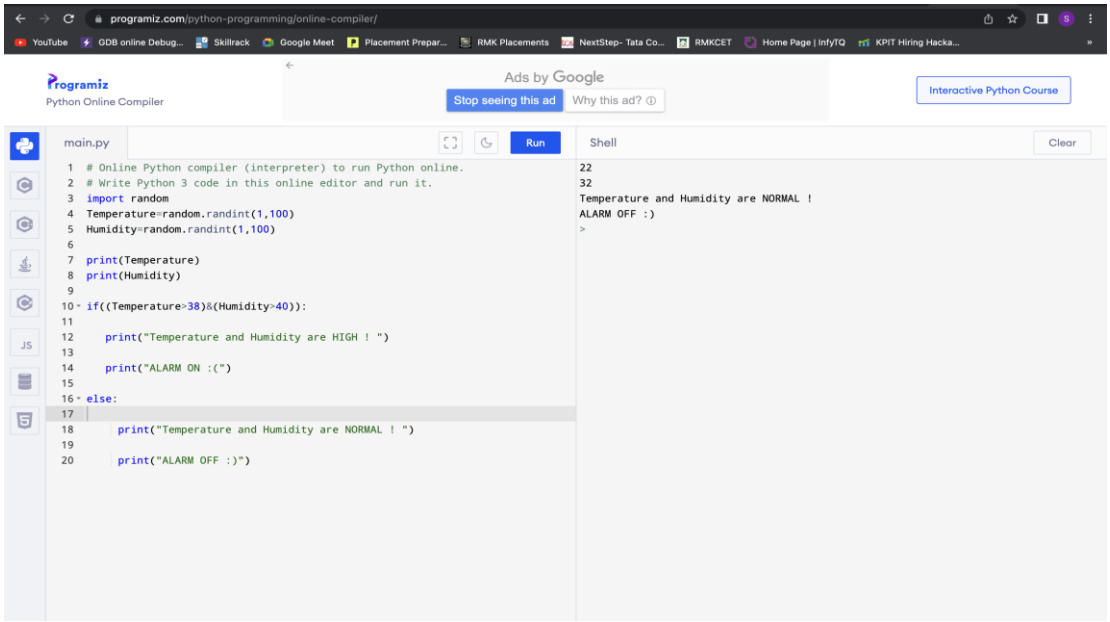
PROBLEM:

To 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:

```
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: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main.py
Run
Shell
Clear
# Online Python compiler (interpreter) to run Python online.
# Write Python 3 code in this online editor and run it.
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 :)")
22
32
Temperature and Humidity are NORMAL !
ALARM OFF :)
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