**VELAMMAL ENGINEERING COLLEGE**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

# SMART FARMERS - IOT ENABLED FARMING APPLICATION

## ASSIGNMENT – 2

**BY:**

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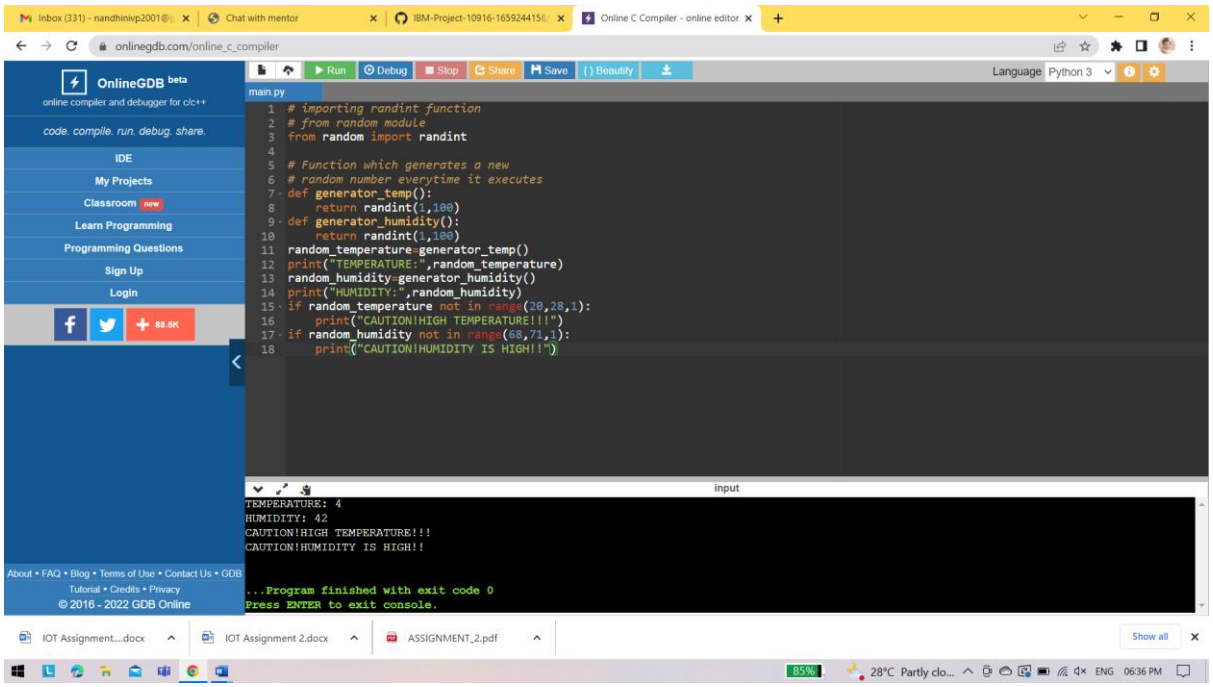
# Question:

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:

```
# importing randint function
# from random module from random import randint
# Function which generates a new
# random number everytime it executes
def generator_temp():
        return randint(1,100)
def generator_humidity():
    return randint(1,100)
random_temperature=generator_temp()
print("TEMPERATURE:",random_temperature)
random_humidity=generator_humidity()
print("HUMIDITY:",random_humidity)
if random_temperature not in range(20,28,1):
    print("CAUTION!HIGH TEMPERATURE!!!")
if random_humidity not in range(68,71,1):
    print("CAUTION!HUMIDITY IS HIGH!!")
```

# OUTPUT:


onlinegdb.com/online_c_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
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Classroom new
Learn Programming
Programming Questions
Sign Up
Login
Run
Debug
Stop
Share
Save
{ } Beautify
Language Python 3
main.py
# importing randint function
# from random module
from random import randint
# Function which generates a new
# random number everytime it executes
def generator_temp():
return randint(1,100)
def generator_humidity():
return randint(1,100)
random_temperature=generator_temp()
print("TEMPERATURE:",random_temperature)
random_humidity=generator_humidity()
print("HUMIDITY:",random_humidity)
if random_temperature not in range(20,28,1):
print("CAUTION!HIGH TEMPERATURE!!!")
if random_humidity not in range(68,71,1):
print("CAUTION!HUMIDITY IS HIGH!!")
input
TEMPERATURE: 4
HUMIDITY: 42
CAUTION!HIGH TEMPERATURE!!!
CAUTION!HUMIDITY IS HIGH!!
...Program finished with exit code 0
Press ENTER to exit console.
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