**NAAN MUDHALVAN – PROFESSIONAL READINESS FOR INNOVATION, EMPLOYMENT AND ENTERPRENEURSHIP**

**ASSIGNMENT – 2**

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**QUESTION:**

Build Python code, Generate Temperature and Humidity values (Use Random function to generate values) and write a condition to detect an alarm in case of high temperature and high Humidity.

* Example: Temp is greater than 30 c, play alarm

sound. Same for humidity.

* Submit the Assignment in PDF format in the Git repo.
* Everyone in the team should submit the assignment as

it is an individual task.

# Code:

main.py import random

# Set the threshold values for temperature and humidity TEMP\_THRESHOLD = 85 # degrees Celsius HUMIDITY THRESHOLD = 45 #

percent

# Generate a random temperature value between 0 and 100 degrees Celsius temperature = random uniform(0, 100) print("Temperature:", temperature

# Generate a random humidity value between 0 and 100 percent

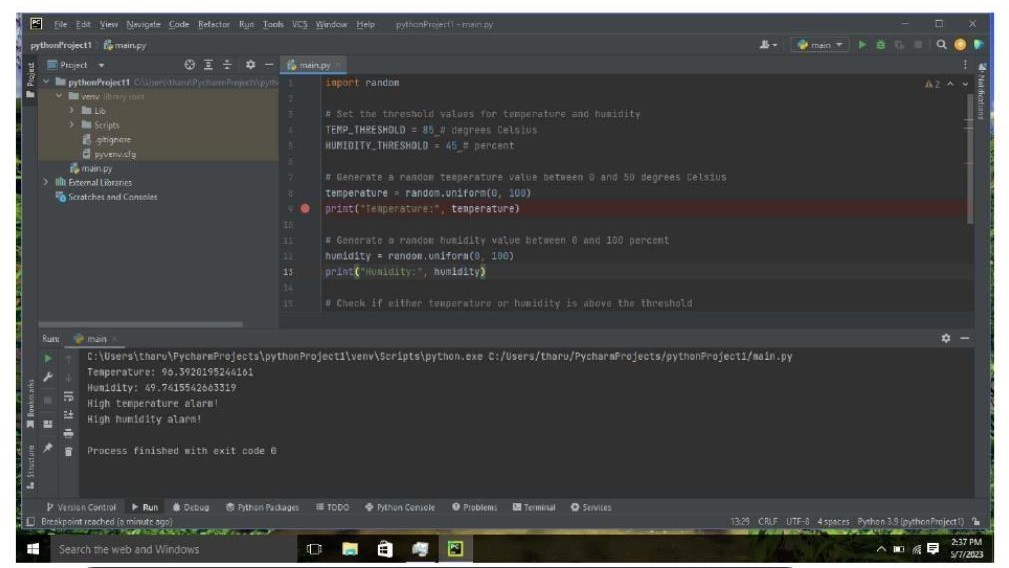
humidity random.uniform(0, 100) print("Humidity:", humidity)

# Check if either temperature or humidity is above the threshold

if temperature>TEMP\_THRESHOLD: print("High temperature alarm!") if humidity> HUMIDITY THRESHOLD:

print("High humidity alarm!")

# OUTPUT:



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