NAAN MUDHALVAN – PROFESSIONAL READINESS FOR INNOVATION, EMPLOYMENT AND ENTERPRENEURSHIP

ASSIGNMENT - 2

STUDENT NAME	JEEVAMUGI K
STUDENT ROLL NO	814720104021

QUESTION:

Build Python code, Generate Temperature and Humidity values (Use Random function to generate values) and writea 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 degreesCelsius temperature = random uniform(0, 100) print("Temperature:", temperature

Generate a random humidity value between 0 and 100percent 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:

