

Assignment 2

Assignment Date : 19 September 2022

Student Name : Amarnath L

Student Roll No : 622419104004

Maximum Marks : 2 Marks

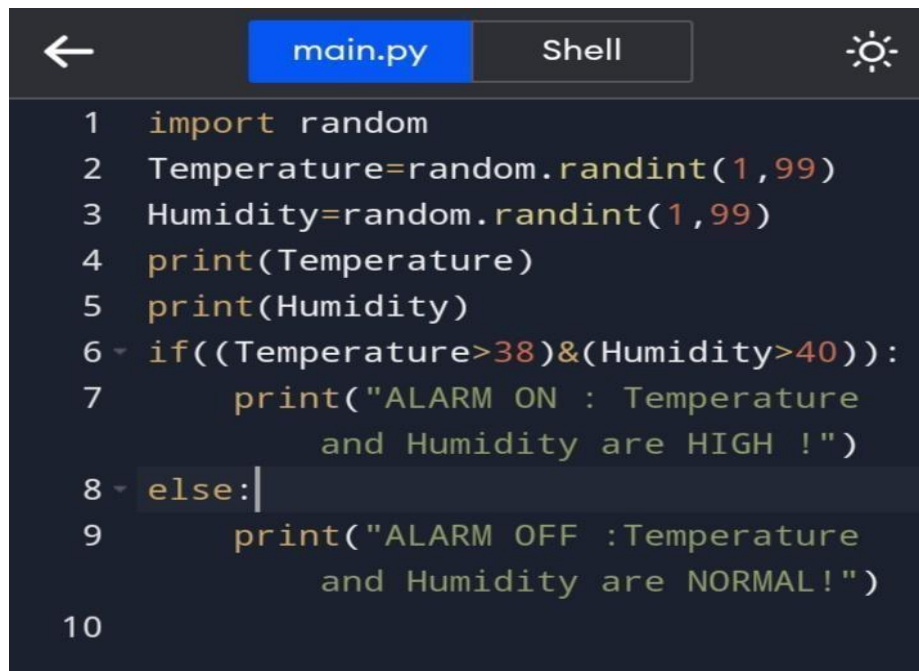
Project Name : IoT based safety gadget for child
safety monitoring notification

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.

PYTHON CODE

```
import random
Temperature=random.randint(1,99)
Humidity=random.randint(1,99)
print(Temperature)
print(Humidity)
if((Temperature>38)&(Humidity>40)):
    print("ALARM ON : Temperature and Humidity are HIGH !")else:
    print("ALARM OFF :Temperature and Humidity are NORMAL!")
```

INPUT



The image shows a code editor window with a dark background. At the top, there is a navigation bar with a back arrow on the left, a tab labeled 'main.py' in the center, and a 'Shell' button on the right. A settings icon is visible in the top right corner. The main area contains a Python script with 10 lines of code. The code imports the 'random' module, generates random temperature and humidity values, and prints them. It then uses an 'if' statement to check if both values are above certain thresholds (38 for temperature and 40 for humidity). If both are high, it prints 'ALARM ON : Temperature and Humidity are HIGH !'. Otherwise, it prints 'ALARM OFF : Temperature and Humidity are NORMAL!'. The script ends with a blank line.

```
1 import random
2 Temperature=random.randint(1,99)
3 Humidity=random.randint(1,99)
4 print(Temperature)
5 print(Humidity)
6 if((Temperature>38)&(Humidity>40)):
7     print("ALARM ON : Temperature
8         and Humidity are HIGH !")
9 else:
10    print("ALARM OFF :Temperature
11        and Humidity are NORMAL!")
12
```

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ALARM OFF : Teirpe and Huiki i d ↑ a ce

TEAM LEADER: Dharani B

TEAM MEMBERS:

- Amarnath L
- Harish Kumar U
- Kathiravan R

TEAM ID : PNT2022TMID41842

TEAM SIZE : 4