

Assignment - 2

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Python code :

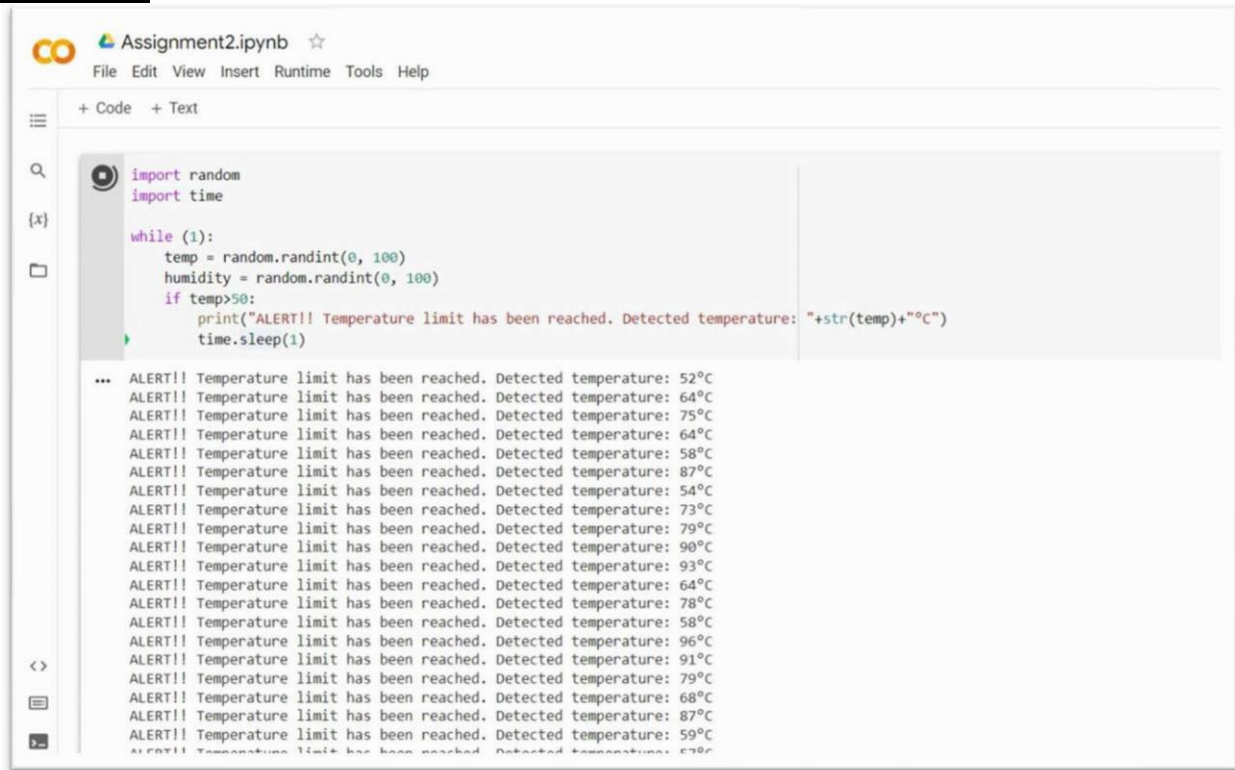
```
import random

import time

while (1):

    temp = random.randint(0, 100) humidity =
    random.randint(0, 100) if temp>60: print("ALERT!!
    Detected temperature: "+str(temp)+"°C") time.sleep(1)
```

OUTPUT :



The screenshot shows a Jupyter Notebook titled "Assignment2.ipynb". The interface includes a menu bar with "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help". Below the menu bar, there are tabs for "+ Code" and "+ Text". The code editor displays the following Python code:

```
import random
import time

while (1):
    temp = random.randint(0, 100)
    humidity = random.randint(0, 100)
    if temp>50:
        print("ALERT!! Temperature limit has been reached. Detected temperature: "+str(temp)+"°C")
        time.sleep(1)
```

The output area shows a series of 20 lines, each starting with "ALERT!! Temperature limit has been reached. Detected temperature:" followed by a random temperature value in degrees Celsius. The temperatures range from 52°C to 96°C. The output is truncated with "..." at the beginning of the first line.

```
... ALERT!! Temperature limit has been reached. Detected temperature: 52°C
ALERT!! Temperature limit has been reached. Detected temperature: 64°C
ALERT!! Temperature limit has been reached. Detected temperature: 75°C
ALERT!! Temperature limit has been reached. Detected temperature: 64°C
ALERT!! Temperature limit has been reached. Detected temperature: 58°C
ALERT!! Temperature limit has been reached. Detected temperature: 87°C
ALERT!! Temperature limit has been reached. Detected temperature: 54°C
ALERT!! Temperature limit has been reached. Detected temperature: 73°C
ALERT!! Temperature limit has been reached. Detected temperature: 79°C
ALERT!! Temperature limit has been reached. Detected temperature: 90°C
ALERT!! Temperature limit has been reached. Detected temperature: 93°C
ALERT!! Temperature limit has been reached. Detected temperature: 64°C
ALERT!! Temperature limit has been reached. Detected temperature: 78°C
ALERT!! Temperature limit has been reached. Detected temperature: 58°C
ALERT!! Temperature limit has been reached. Detected temperature: 96°C
ALERT!! Temperature limit has been reached. Detected temperature: 91°C
ALERT!! Temperature limit has been reached. Detected temperature: 79°C
ALERT!! Temperature limit has been reached. Detected temperature: 68°C
ALERT!! Temperature limit has been reached. Detected temperature: 87°C
ALERT!! Temperature limit has been reached. Detected temperature: 59°C
ALERT!! Temperature limit has been reached. Detected temperature: 67°C
```