

ASSIGNMENT 2

Assignment Date	28 September 2022
Student Name	Dhanushiya C
Student Roll Number	920219106005
Maximum Marks	2 Marks

Question-1:

Build a python code, to get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import requests
import random
from time import*
gate=True
while(gate):
    temperature=random.randint(15,40)
    humidity=random.randint(10,38)
    if temperature>38 and humidity<40:
        print("Temperature=",temperature,"Humidity=",humidity)
        print("Alert message in Activate")
        gate=False
    else:
        print("Temperature=",temperature,"Humidity=",humidity)
        sleep(1)
```



main.py

Shell

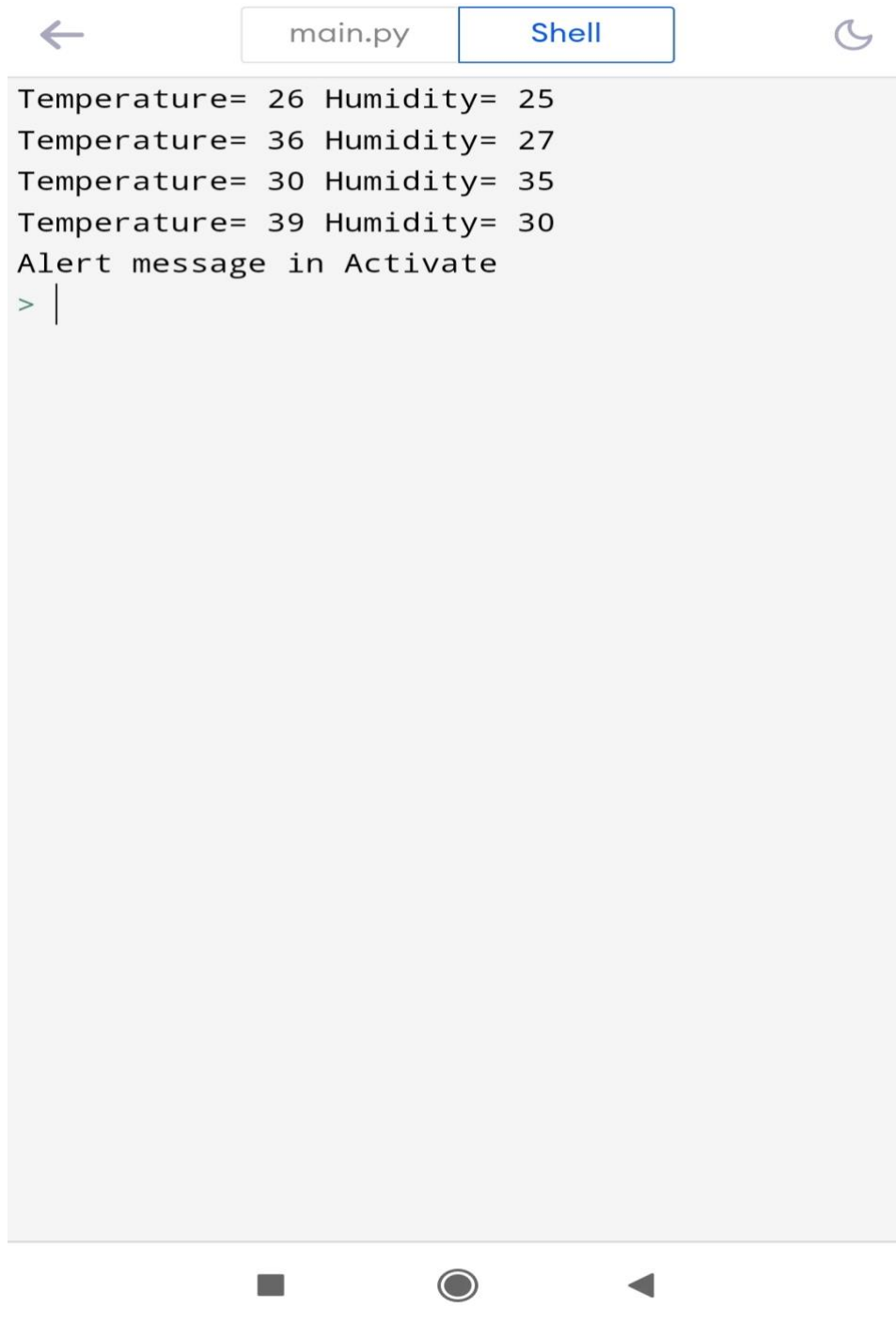


```
1 import requests
2 import random
3 from time import*
4 gate=True
5 while(gate):
6     temperature=random.randint(15,40)
7     humidity=random.randint(10,38)
8     if temperature>38 and humidity<40:
9         print("Temperature="
              ,temperature,"Humidity="
              ,humidity)
10        print("Alert message in
              Activate")
11        gate=False
12    else:
13        print("Temperature="
              ,temperature,"Humidity="
              ,humidity)
14    sleep(1)
15
```

Run



Output:



The screenshot shows a mobile application interface. At the top, there is a navigation bar with a back arrow on the left, a tab labeled "main.py" in a light gray box, and a tab labeled "Shell" in a blue box. To the right of the tabs is a moon icon. Below the navigation bar is a large gray rectangular area containing the following text:

```
Temperature= 26 Humidity= 25
Temperature= 36 Humidity= 27
Temperature= 30 Humidity= 35
Temperature= 39 Humidity= 30
Alert message in Activate
> |
```

At the bottom of the screen, there is a white bar with three black icons: a square, a circle, and a triangle pointing left.