

IBM - NALAYA THIRAN PROJECT

ASSIGNMENT - 2

TITLE: Signs with Smart Connectivity for Better Road Safety

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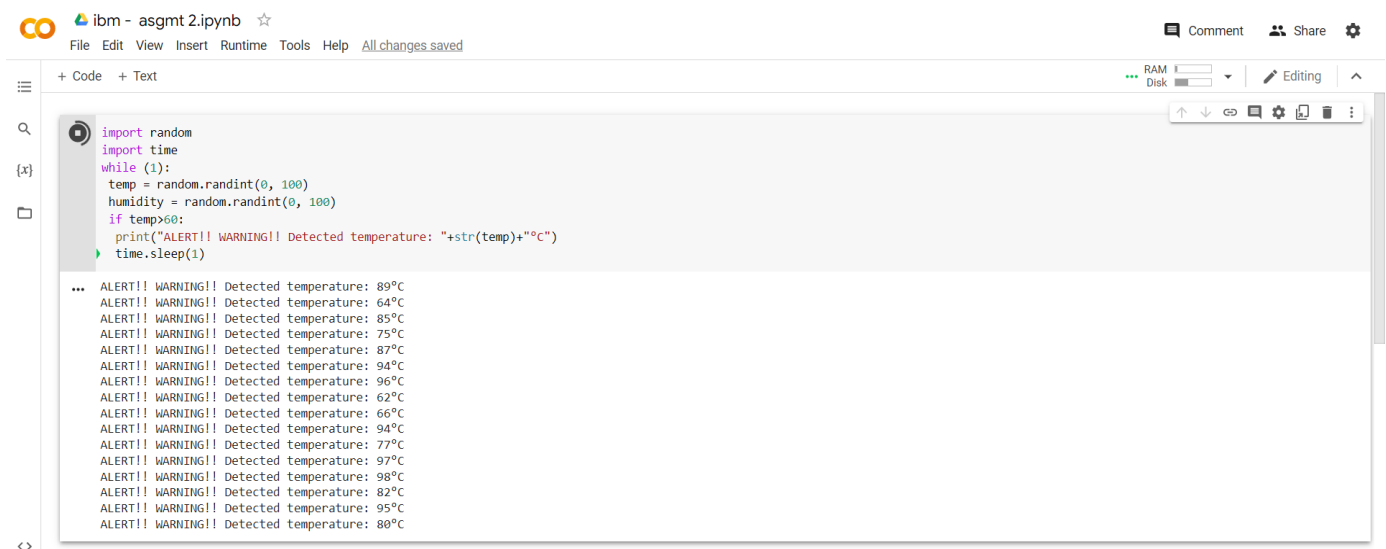
QUESTION:

Build a python code, assume you 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.

SOURCE CODE:

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

OUTPUT:



The screenshot shows a Jupyter Notebook window titled 'ibm - asgmt 2.ipynb'. The code editor contains the same Python code as shown in the 'SOURCE CODE' section. The output area below the code shows a series of 20 lines of output, each starting with 'ALERT!! WARNING!! Detected temperature: ' followed by a temperature value in degrees Celsius. The temperatures range from 89°C down to 80°C. The output is truncated with '...' at the top, indicating it continues.

```
... ALERT!! WARNING!! Detected temperature: 89°C
ALERT!! WARNING!! Detected temperature: 64°C
ALERT!! WARNING!! Detected temperature: 85°C
ALERT!! WARNING!! Detected temperature: 75°C
ALERT!! WARNING!! Detected temperature: 87°C
ALERT!! WARNING!! Detected temperature: 94°C
ALERT!! WARNING!! Detected temperature: 96°C
ALERT!! WARNING!! Detected temperature: 62°C
ALERT!! WARNING!! Detected temperature: 66°C
ALERT!! WARNING!! Detected temperature: 94°C
ALERT!! WARNING!! Detected temperature: 77°C
ALERT!! WARNING!! Detected temperature: 97°C
ALERT!! WARNING!! Detected temperature: 98°C
ALERT!! WARNING!! Detected temperature: 82°C
ALERT!! WARNING!! Detected temperature: 95°C
ALERT!! WARNING!! Detected temperature: 80°C
```