

NAME: GOPINATH.R

ROLL NO: 19EC05

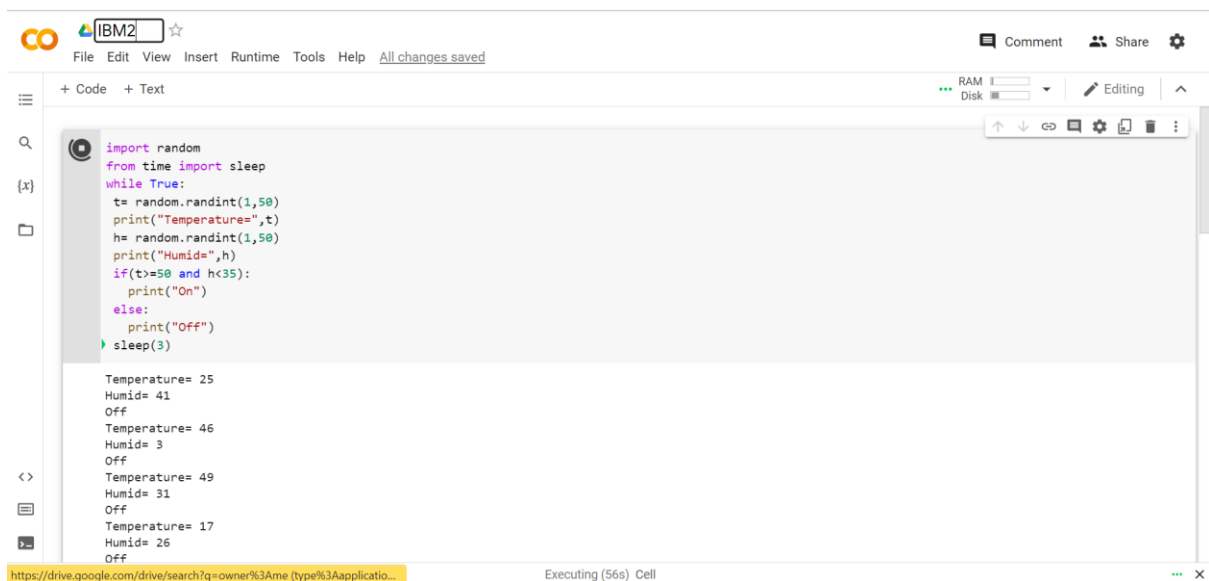
## ASSIGNMENT 2

### Temperature and humidity sensing and alarm automation

#### CODE:

```
import random
from time import sleep
while True:
    t= random.randint(1,50)
    print("Temperature=",t)
    h= random.randint(1,50)
    print("Humid=",h)
    if(t>=50 and h<35):
        print("On")
    else:
        print("Off")
    sleep(3)
```

#### OUTPUT:



The screenshot shows a Jupyter Notebook interface with the following components:

- Top Bar:** Includes the IBM Jupyter logo, a search bar, and a star icon. The menu bar contains: File, Edit, View, Insert, Runtime, Tools, Help, and a link to "All changes saved".
- Left Sidebar:** Contains icons for file explorer, search, and other notebook functions.
- Code Editor:** Displays the Python code for the temperature and humidity sensing automation.
- Output Area:** Shows the execution results, including the printed values for temperature and humidity, and the "On" or "Off" status.
- Bottom Bar:** Shows the URL "https://drive.google.com/drive/search?q=owner%3Ame (type%3Aapplicatio...", the status "Executing (56s) Cell", and a close button.

The output of the code execution is as follows:

```
Temperature= 25
Humid= 41
Off
Temperature= 46
Humid= 3
Off
Temperature= 49
Humid= 31
Off
Temperature= 17
Humid= 26
Off
```