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ROLL NO: 19EUEC168

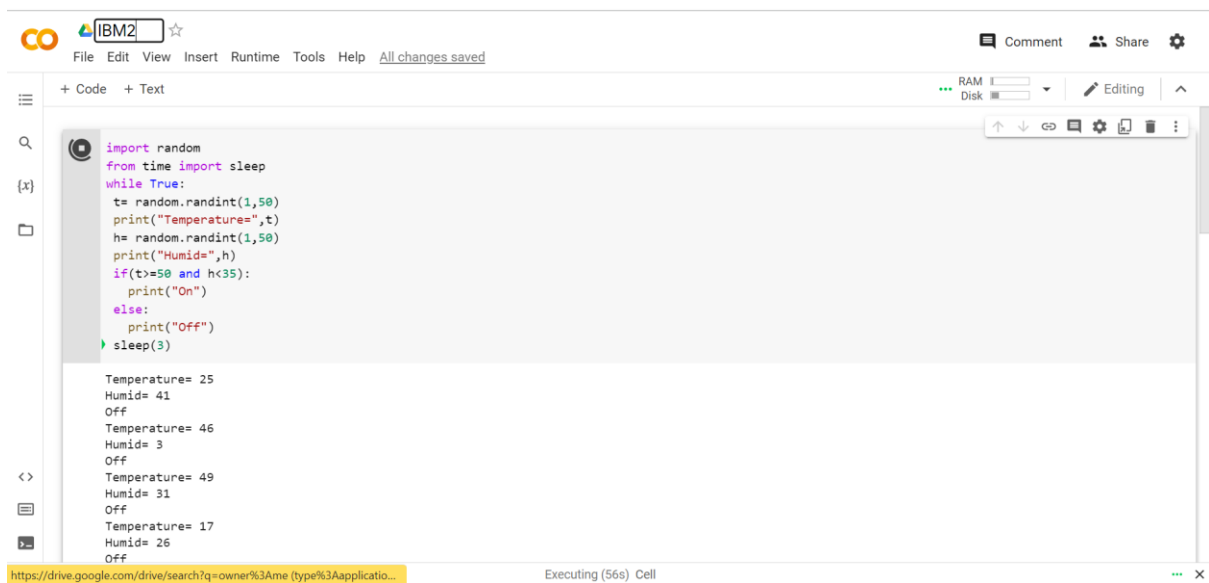
## ASSIGNMENT 2

### 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 displays a Jupyter Notebook environment with the following components:

- Toolbar:** Includes icons for file operations, search, and a toolbar with RAM and Disk indicators.
- Code Cell:** Contains the Python code for the temperature and humidity sensing logic.
- Output Cell:** Shows the results of the code execution, including printed values for temperature and humidity, and the resulting alarm status (On or Off).
- Status Bar:** Indicates the execution status as "Executing (56s) Cell".

The output shows the following sequence of events:

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