

## ASSIGNMENT 2-ABITHSINGH S

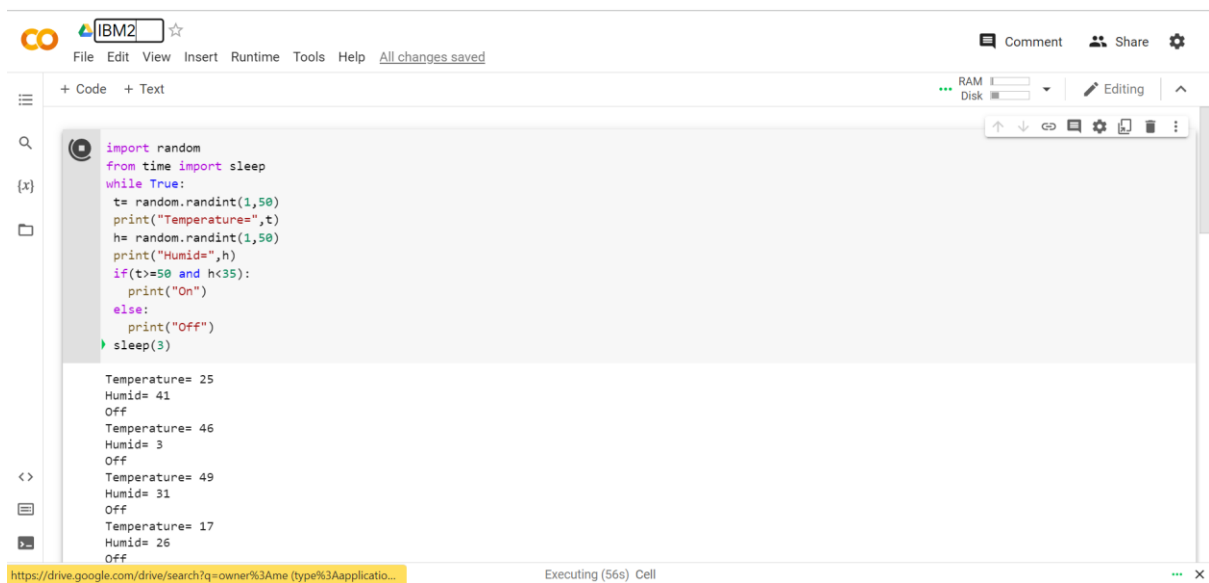
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### Temperature and humidity sensing and alarm automation

#### 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 a code cell and an output cell. The code cell contains the following Python 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)
```

The output cell displays the results of the code execution, showing the generated temperature and humidity values and the corresponding 'On' or 'Off' status. The output is as follows:

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

The interface also shows a toolbar with various icons for file operations, editing, and execution. The status bar at the bottom indicates 'Executing (56s) Cell'.