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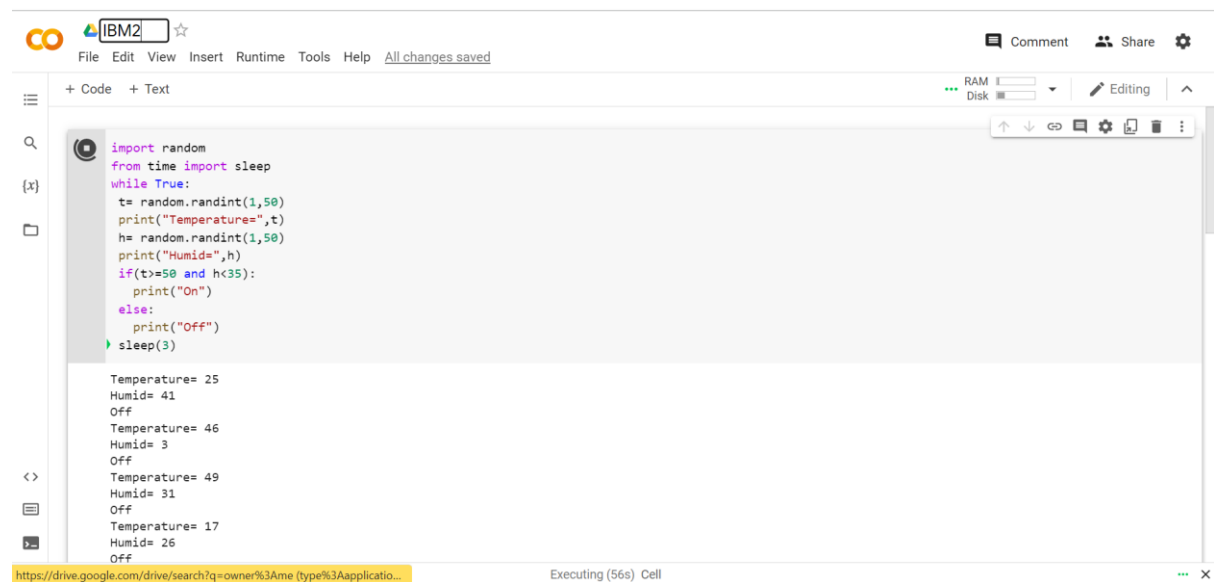
ASSIGNMENT 2

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. The code cell contains the following Python script:

```
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 shows the results of the script's execution, which prints the temperature and humidity values and the alarm status ('On' or 'Off') for several iterations:

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

The status bar at the bottom indicates that the code is "Executing (56s) Cell".

