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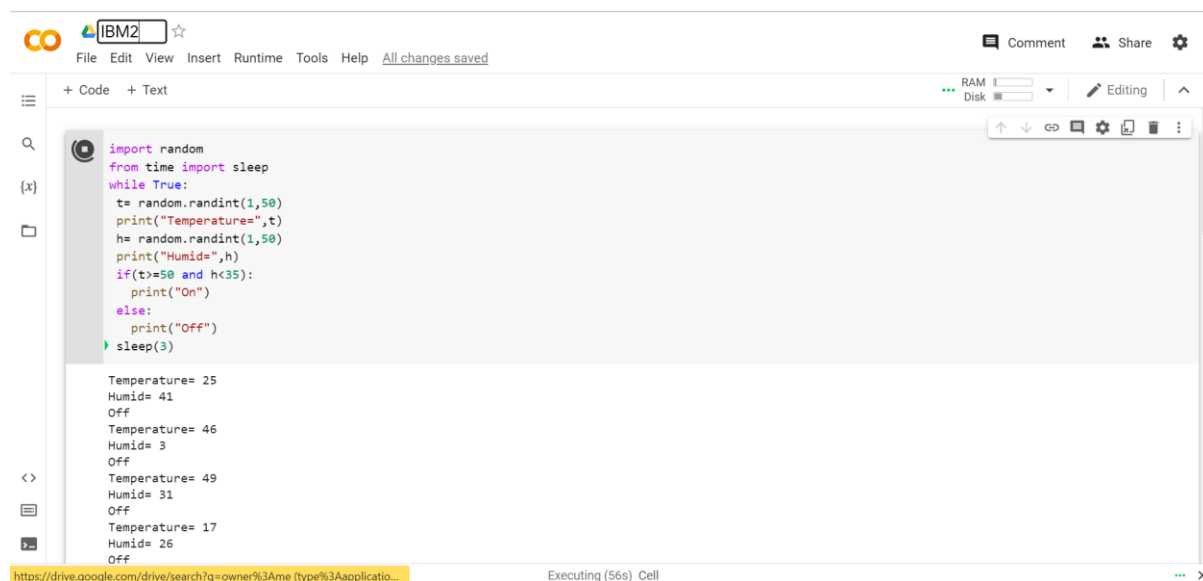
ASSIGNMENT 2

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 shows a Jupyter Notebook interface with the following components:

- Top Bar:** Includes the IBM Jupyter logo, a search bar, and navigation icons for File, Edit, View, Insert, Runtime, Tools, and Help. It also shows 'All changes saved' and options to Comment, Share, and Settings.
- Left Sidebar:** Contains icons for Code, Text, and a search icon.
- Code Editor:** Displays the Python code from the 'CODE' section. The code is syntax-highlighted and includes line numbers.
- Output Area:** Shows the execution results of the code. It displays a series of printed values for Temperature and Humidity, along with 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
- 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.