

NAME: SNEHA.C

ROLL NO: 19EC18

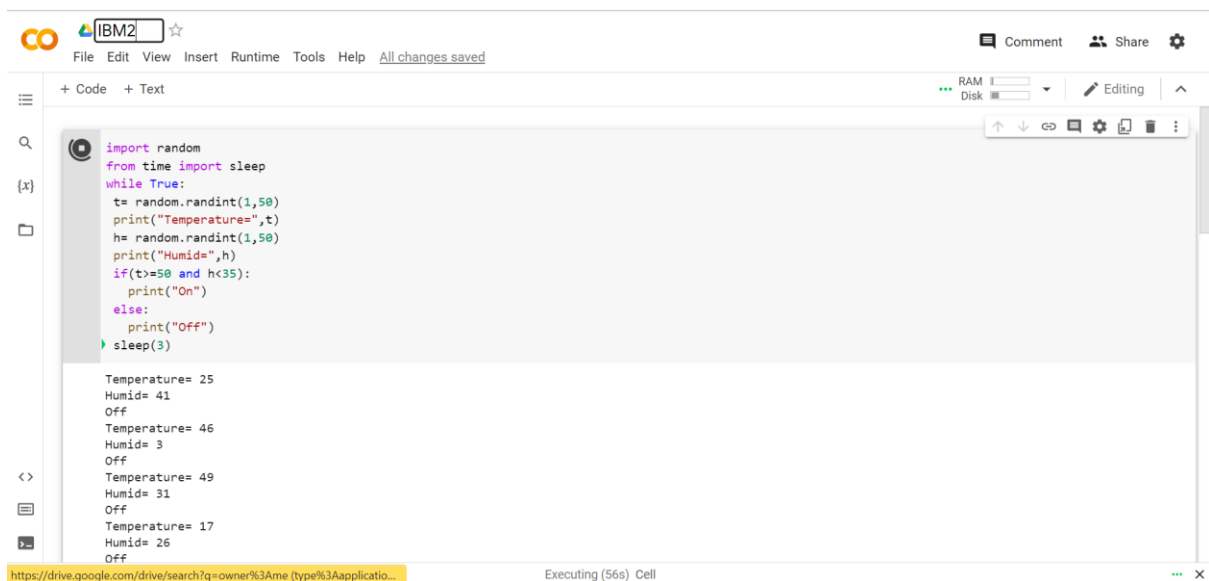
## ASSIGNMENT 2

### 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 top bar includes the IBM Jupyter logo, a search bar, and navigation icons. The main area is divided into a code editor and an output console. The code editor contains the Python script for temperature and humidity sensing. The output console shows the results of the script's execution, including random values for temperature and humidity, and the corresponding 'On' or 'Off' status.

```
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)
```

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

Executing (56s) Cell