

NAME: HARINI.N

ROLL NO: 19EC07

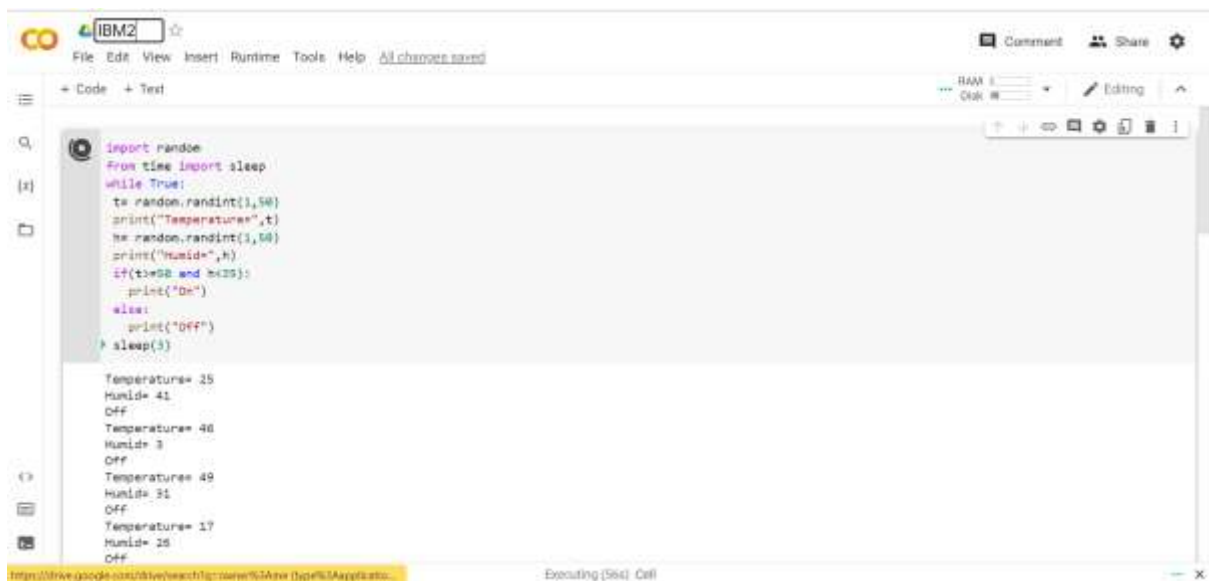
## ASSIGNMENT 2

### 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 window titled 'IBM2'. 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 shows the following results:

```
Temperature= 25
Humid= 41
Off
Temperature= 40
Humid= 3
Off
Temperature= 49
Humid= 31
Off
Temperature= 17
Humid= 25
Off
```

The status bar at the bottom indicates 'Executing (584) Cell'.

NAME: KANIMOZHILM

ROLL NO: 19EC09

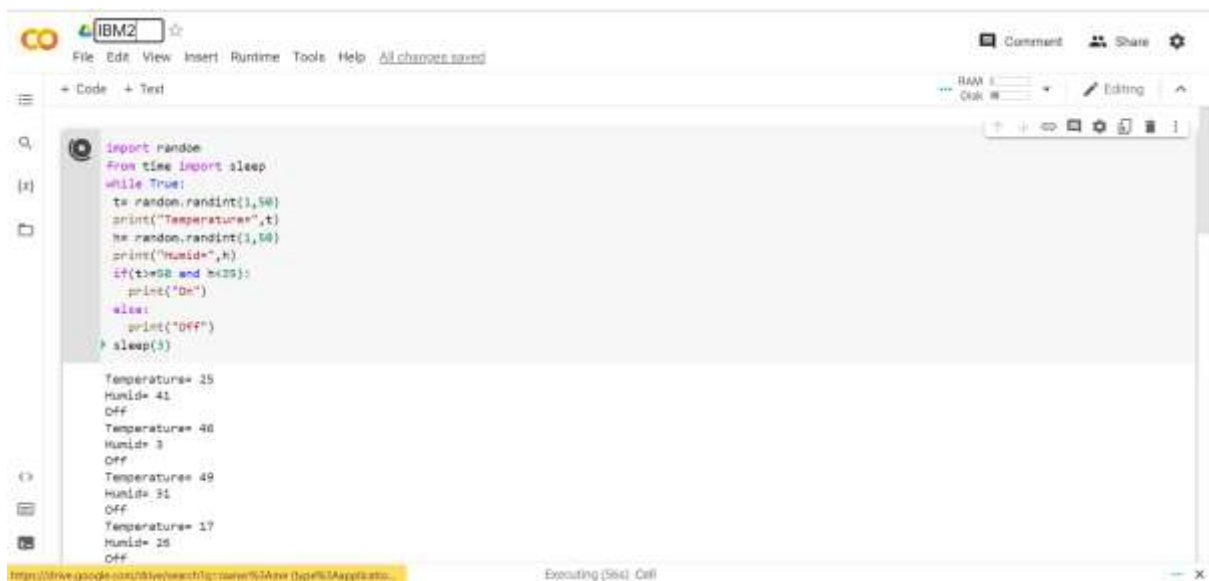
## ASSIGNMENT 2

### 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 window titled 'IBM2'. 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 shows the following results:

```
Temperature= 25
Humid= 41
Off
Temperature= 40
Humid= 3
Off
Temperature= 49
Humid= 31
Off
Temperature= 17
Humid= 25
Off
```

The status bar at the bottom indicates 'Executing (584) Cell'.

NAME: KANAGA.E

ROLL NO: 19EC08

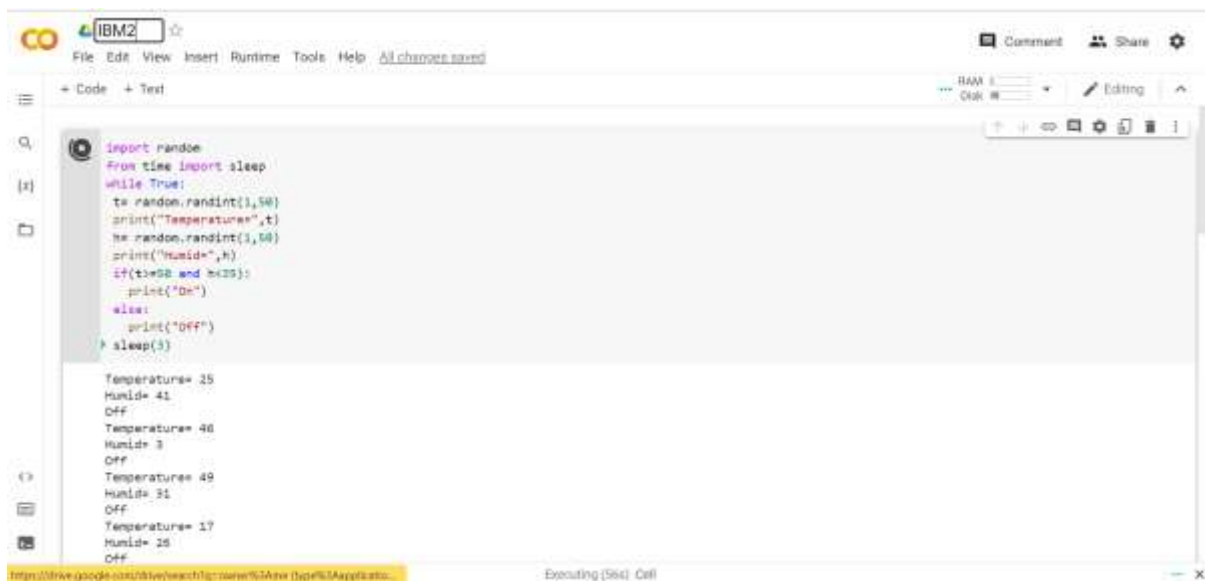
## ASSIGNMENT 2

### 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 window titled 'IBM2'. 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 shows the following results:

```
Temperature= 25
Humid= 41
Off
Temperature= 40
Humid= 3
Off
Temperature= 49
Humid= 31
Off
Temperature= 17
Humid= 25
Off
```

The status bar at the bottom indicates 'Executing (584) Cell'.

NAME: PREETHIKA S

ROLL NO: 19EC14

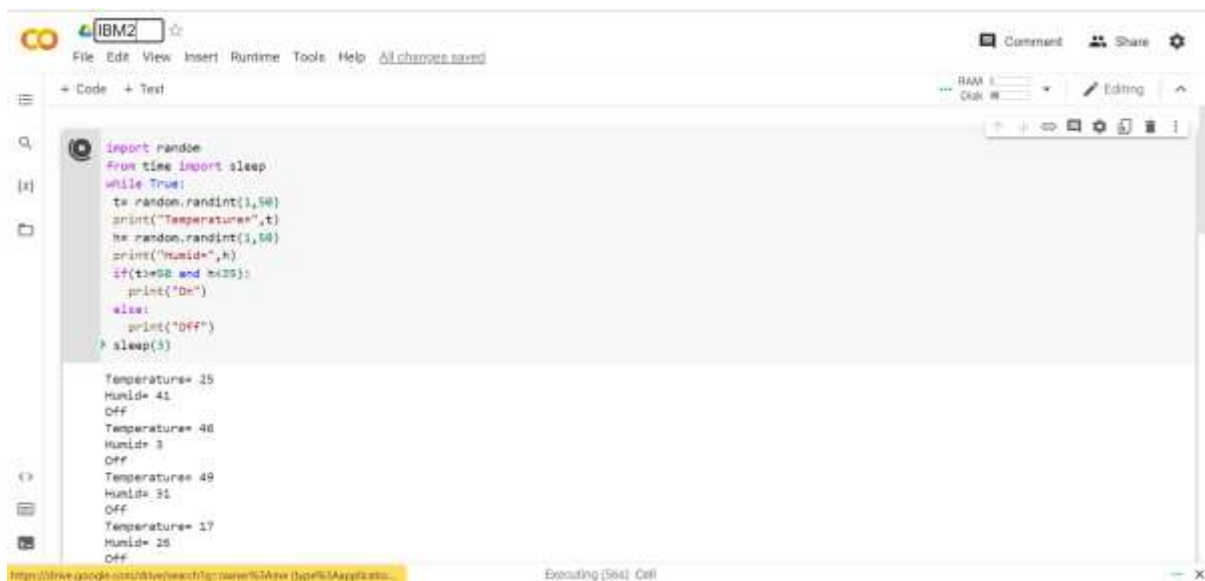
## ASSIGNMENT 2

### 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 window titled 'IBM2'. The code editor 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 area shows the results of the script's execution:

```
Temperature= 25
Humid= 41
Off
Temperature= 40
Humid= 3
Off
Temperature= 49
Humid= 31
Off
Temperature= 17
Humid= 25
Off
```

The status bar at the bottom indicates 'Executing (584) Cell'.