

ASSIGNMENT-2

STUDENT NAME	JAMALLAMUDI.JYOTHSNA
STUDENT ROLL NUMBER	312119104009
TEAM ID	PNT2022TMID37599

PROGRAM:

```
Import
random, time

def get_Temperature_Humidity():
    t = random.randint(1,50)
    h = random.randint(1,100)
    return t, h

while True:
    temperature, humidity = get_Temperature_Humidity()
    if temperature >= 30 and humidity <= 50:
        print("ALARM: High Temperature -", temperature)
    time.sleep(60)
```

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OUTPUT:

```
>>> import random
>>> temperature = ''
>>> humidity = ''
>>>
>>> import random, time
>>> def get_Temperature_Humidity():
...     t = random.randint(1,50)
...     h = random.randint(1,100)
...     return t, h
...
>>> while True:
...     temperature, humidity = get_Temperature_Humidity()
...     if temperature >= 30 and humidity <= 50:
...         print("ALARM : High Temperature -",temperature)
...         time.sleep(60)
...
ALARM : High Temperature - 34
ALARM : High Temperature - 38
ALARM : High Temperature - 47
```