IBM ASSIGNMENT-2
TOPIC : Assignment on temperature and humidity sensing and alarm automation using python

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SOURCE CODE:

```python
import random
while(True):
  temperature=random.randint(10,99)
  humidity=random.randint(10,99)
  if(temperature>35 and humidity>60):
    print("high temperature and humidity of:",temperature,humidity,"%","alarm is on")
  elif(temperature<35 and humidity<60):
    print("Normal temperature and humidity of:",temperature,humidity,"%","alarm is off")
    break
```

OUTPUT:

```python
import random
while(True):
    temperature=random.randint(10,99)
    humidity=random.randint(10,99)
    if(temperature>35 and humidity>60):
        print("high temperature and humidity of:",temperature,humidity,"%","alarm is
            on")
    elif(temperature<35 and humidity<60):
        print("Normal temperature and humidity of:",temperature,humidity,"%","alarm
            is off")
        break
```

Shell

```
high temperature and humidity of: 65 96 % alarm is on
high temperature and humidity of: 41 70 % alarm is on
high temperature and humidity of: 88 76 % alarm is on
high temperature and humidity of: 60 98 % alarm is on
Normal temperature and humidity of: 11 12 % alarm is off
>
```