ASSIGNMENT-2

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B.E /ECE

CODE:

```python
while 1:
    import random
    a=random.randint(0,100)
    b=random.randint(0,100)
    print("Enter Temperature",a)
    print("Enter Humidity",b)
    if a>30:
        if b>70:
            print("Alert detected")
        else:
            print("High Temperature detected")
    elif a==30:
            print("Maximum Threshold reached")
    else:
            print("EVERYTHING IS NORMAL")
```

OUTPUT:


```python
1  while 1:
2      import random
3      a=random.randint(0,100)
4      b=random.randint(0,100)
5      print("Enter Temperature",a)
6      print("Enter Humidity",b)
7      if a>30:
8          if b>70:
9              print("Alert detected")
10         else:
11             print("High Temperature detected")
12     elif a==30:
13             print("Maximum Threshold reached")
14     else:
15             print("All good")
16
17
```

Shell

```
Enter Temperature 19
Enter Humidity 45
All good
Enter Temperature 19
Enter Humidity 16
All good
Enter Temperature 92
Enter Humidity 90
Alert detected
Enter Temperature 75
Enter Humidity 32
High Temperature detected
Enter Temperature 38
Enter Humidity 32
High Temperature detected
Enter Temperature 95
Enter Humidity 54
High Temperature detected
Enter Temperature 98
Enter Humidity 3
High Temperature detected
```