

ASSIGNMENT 2

PYTHON CODE

```
import random
temp_value=random.randint(1,100)
humidity_value=random.randint(1,50)
print(temp_value)
print(humidity_value)
if((temp_value<45)&(humidity_value<35)):
    print("temperature is normal")
    print("humidity is normal")
elif((temp_value>45)&(humidity_value<35)):
    print("temperature is high")
    print("humidity is low")
elif((temp_value<45)&(humidity_value>35)):
    print("temperature is low")
    print("humidity is high")
elif((temp_value>45)&(humidity_value>35)):
    print("temperature is high")
    print("humidity is high")
else:
    print("temperature is very low")
    print("humidity is very low")
    print("Alarm off")
```

OUTPUT:

```
61
35
temperature is very low
humidity is very low
Alarm off
> |
```

81

21

temperature is high

humidity is low

>

43

39

temperature is low

humidity is high

> |

32

23

temperature is normal

humidity is normal

> |