ASSIGNMENT 2

PYTHON PROGRAMMING

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SOLUTION

Code

```
import random
j=1
while(j<=10):
    temp=random.randint(-88,58)
    humd=random.randint(1,10)
    humd=humd*10
    print(f"TEMPERATURE: {temp}\u00B0C")
    print(f"HUMIDITY: {humd}%")
    if temp>37 and humd>50:
        print("High Temperature : ALARM IS ON")
    else:
        print("Low Temperature : ALARM IS OFF")
        j=j+1
```

Output

```
TEMPERATURE: 52°C
HUMIDITY: 20%
Low Temperature : ALARM IS OFF
TEMPERATURE: -15°C
HUMIDITY: 30%
Low Temperature : ALARM IS OFF
TEMPERATURE: 57°C
HUMIDITY: 100%
High Temperature : ALARM IS ON
TEMPERATURE: 56°C
HUMIDITY: 100%
High Temperature : ALARM IS ON
TEMPERATURE: -6°C
HUMIDITY: 100%
Low Temperature : ALARM IS OFF
TEMPERATURE: 11°C
HUMIDITY: 50%
Low Temperature : ALARM IS OFF
```

SNAPSHOT OF CODE AND OUTPUT