Delivery of Sprint – 1

DEVELOP A PYTHON SCRIPT

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```python
''' Let us consider normal temperature=40 Celsius and normal humidity=65% '''

import random

Temperature = random.randin( 1,100)
Humidity = random.randint(1, 100)

print("Temperature:")
print(Temperature)
print("Humidity:")
print(Humidity)

if((Temperature>40)&(Humidity>65)):
        print("Values are HIGH!!! ")
        print("ALERT")

elif((Temperature>40)&(Humidity<65)):
        print("Tempertaure Value is HIGH!!! ")
        print("Check Temperature")
```
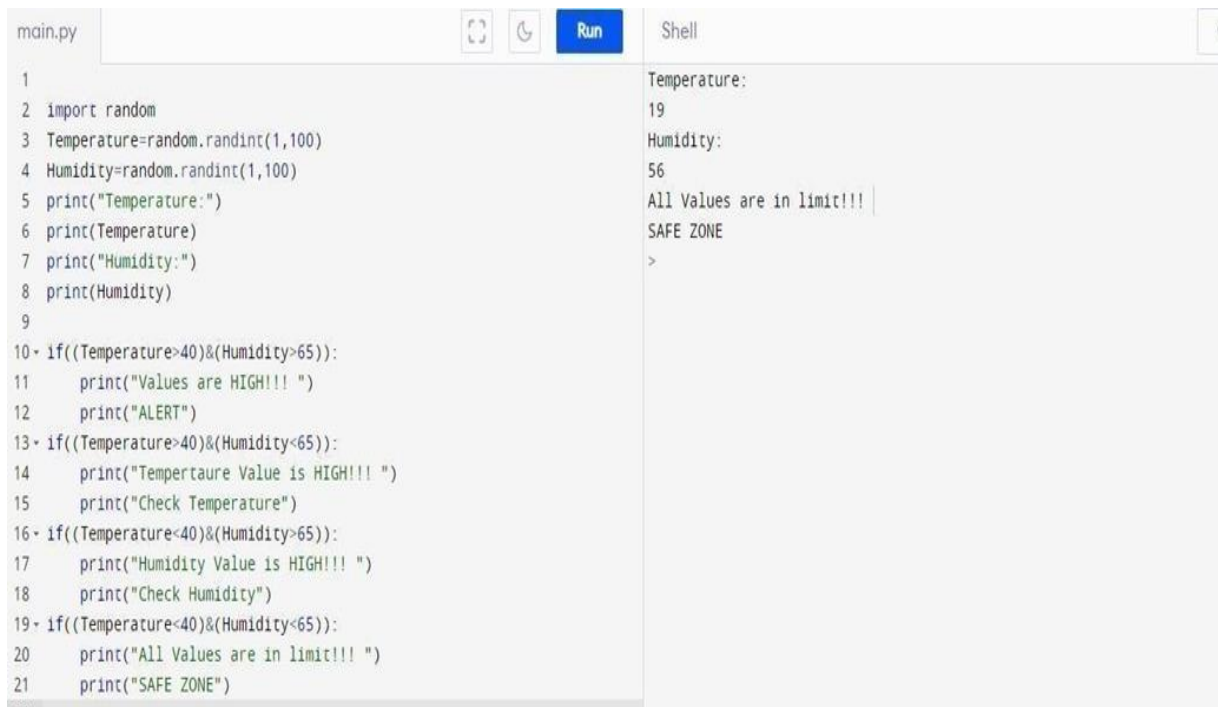
```
elif((Temperature<40)&(Humid ity>65)):

        print("Humidity Value is HIGH!!! ")

        print("Check Humidity")


elif((Temperature<40)&(Humid ity<65)):

        print("All Values are in limit!!! ")

        print("SAFE ZONE")
```

OUTPUT:

```
main.py                          Run      Shell                              Clear

1                                         Temperature:
2  import random                          45
3  Temperature=random.randint(1,100)      Humidity:
4  Humidity=random.randint(1,100)         23
5  print("Temperature:")                  Tempertaure Value is HIGH!!!
6  print(Temperature)                     Check Temperature
7  print("Humidity:")                     >
8  print(Humidity)
9
10 if((Temperature>40)&(Humidity>65)):
11     print("Values are HIGH!!! ")
12     print("ALERT")
13 if((Temperature>40)&(Humidity<65)):
14     print("Tempertaure Value is HIGH!!! ")
15     print("Check Temperature")
16 if((Temperature<40)&(Humidity>65)):
17     print("Humidity Value is HIGH!!! ")
18     print("Check Humidity")
19 if((Temperature<40)&(Humidity<65)):
20     print("All Values are in limit!!! ")
21     print("SAFE ZONE")
22
```

```
main.py                          Run      Shell

1                                         Temperature:
2  import random                          8
3  Temperature=random.randint(1,100)      Humidity:
4  Humidity=random.randint(1,100)         75
5  print("Temperature:")                  Humidity Value is HIGH!!!
6  print(Temperature)                     Check Humidity
7  print("Humidity:")                     >
8  print(Humidity)
9
10 if((Temperature>40)&(Humidity>65)):
11     print("Values are HIGH!!! ")
12     print("ALERT")
13 if((Temperature>40)&(Humidity<65)):
14     print("Tempertaure Value is HIGH!!! ")
15     print("Check Temperature")
16 if((Temperature<40)&(Humidity>65)):
17     print("Humidity Value is HIGH!!! ")
18     print("Check Humidity")
19 if((Temperature<40)&(Humidity<65)):
20     print("All Values are in limit!!! ")
21     print("SAFE ZONE")
22
```

```python
1
2  import random
3  Temperature=random.randint(1,100)
4  Humidity=random.randint(1,100)
5  print("Temperature:")
6  print(Temperature)
7  print("Humidity:")
8  print(Humidity)
9
10 if((Temperature>40)&(Humidity>65)):
11     print("Values are HIGH!!! ")
12     print("ALERT")
13 if((Temperature>40)&(Humidity<65)):
14     print("Tempertaure Value is HIGH!!! ")
15     print("Check Temperature")
16 if((Temperature<40)&(Humidity>65)):
17     print("Humidity Value is HIGH!!! ")
18     print("Check Humidity")
19 if((Temperature<40)&(Humidity<65)):
20     print("All Values are in limit!!! ")
21     print("SAFE ZONE")
22
```

Shell

```
Temperature:
91
Humidity:
72
Values are HIGH!!!
ALERT
>
>
```