

IBM

Assignment – 2

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Source Code:

```
import random

def alarm():
    print("!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!")
    print(" Alert! Temperature is High ")
    print("!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!")

def display(temp, hum):
    print("Temperature : ", temp)
    print("Humidity : ", hum)

while True:
    ch = input("Do you want to proceed (y/n) : ")
    if ch == 'y' or ch == 'Y':
        hum = random.randint(0, 100)
        temp = random.randint(0, 100)
        if temp > 35:
            alarm()
```

```
        display(temp, hum)
    else:
        display(temp, hum)
    else:
        break
```

Output:

Do you want to proceed (y/n) : y

Temperature : 8

Humidity : 3

Do you want to proceed (y/n) : y

Alert! Temperature is High

Temperature : 77

Humidity : 89

Do you want to proceed (y/n) : n
