ASSIGNMENT – 2

PYTHON PROGRAM :

```python
import random

temperature=random.randint(1,100)

humidity=random.randint(1,50)

print(temperature)

print(humidity)

if((temperature<50)&(humidity<30)):

    print("Temperature is normal: ")

    print("Humidity is normal: ")

    print("Alarm off")

elif((temperature<50)&(humidity>30)):

    print("Temperature is low: ")

    print("Humidity is high: ")

    print("Alarm off")

elif((temperature>50)&(humidity>30)):

    print("Temperature is high: ")

    print("Humidity is high: ")

    print("Alarm on")

elif((temperature>50)&(humidity<30)):

    print("Temperature is high: ")

    print("Humidity is low: ")

    print("Alarm on")
```
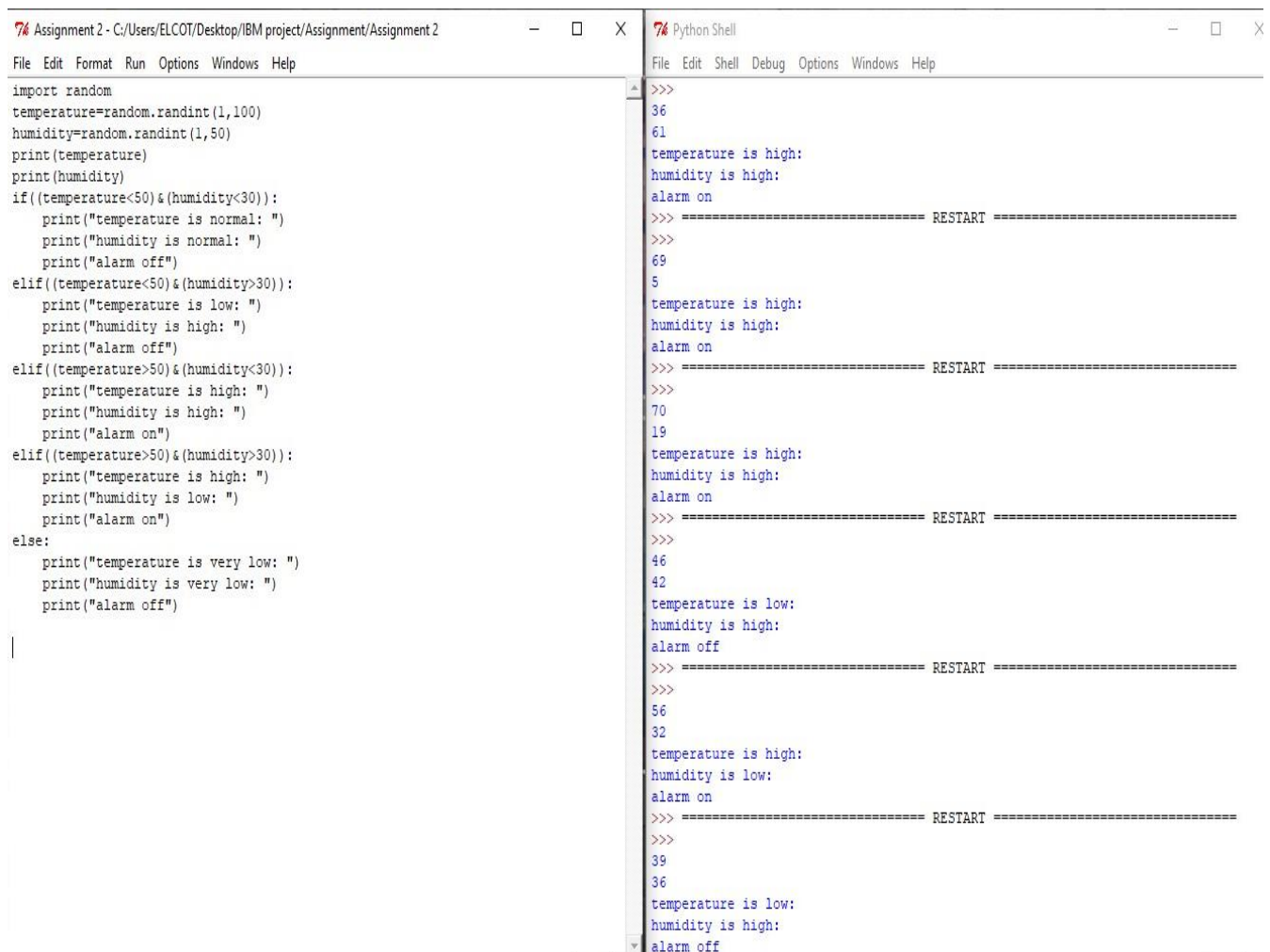
else:

   print("Temperature is very low: ")

   print("Humidity is very low: ")

   print("Alarm off")

OUTPUT :