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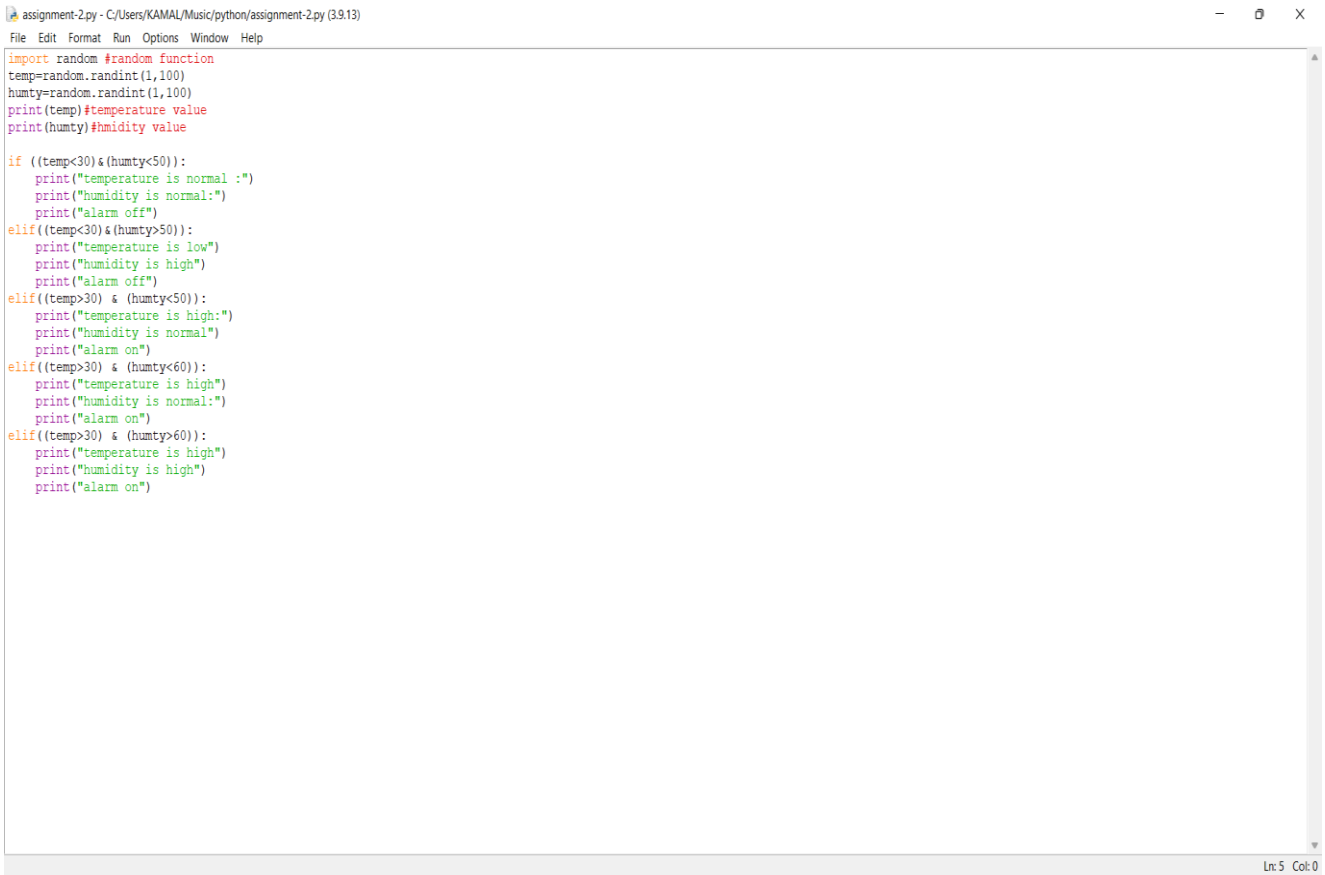
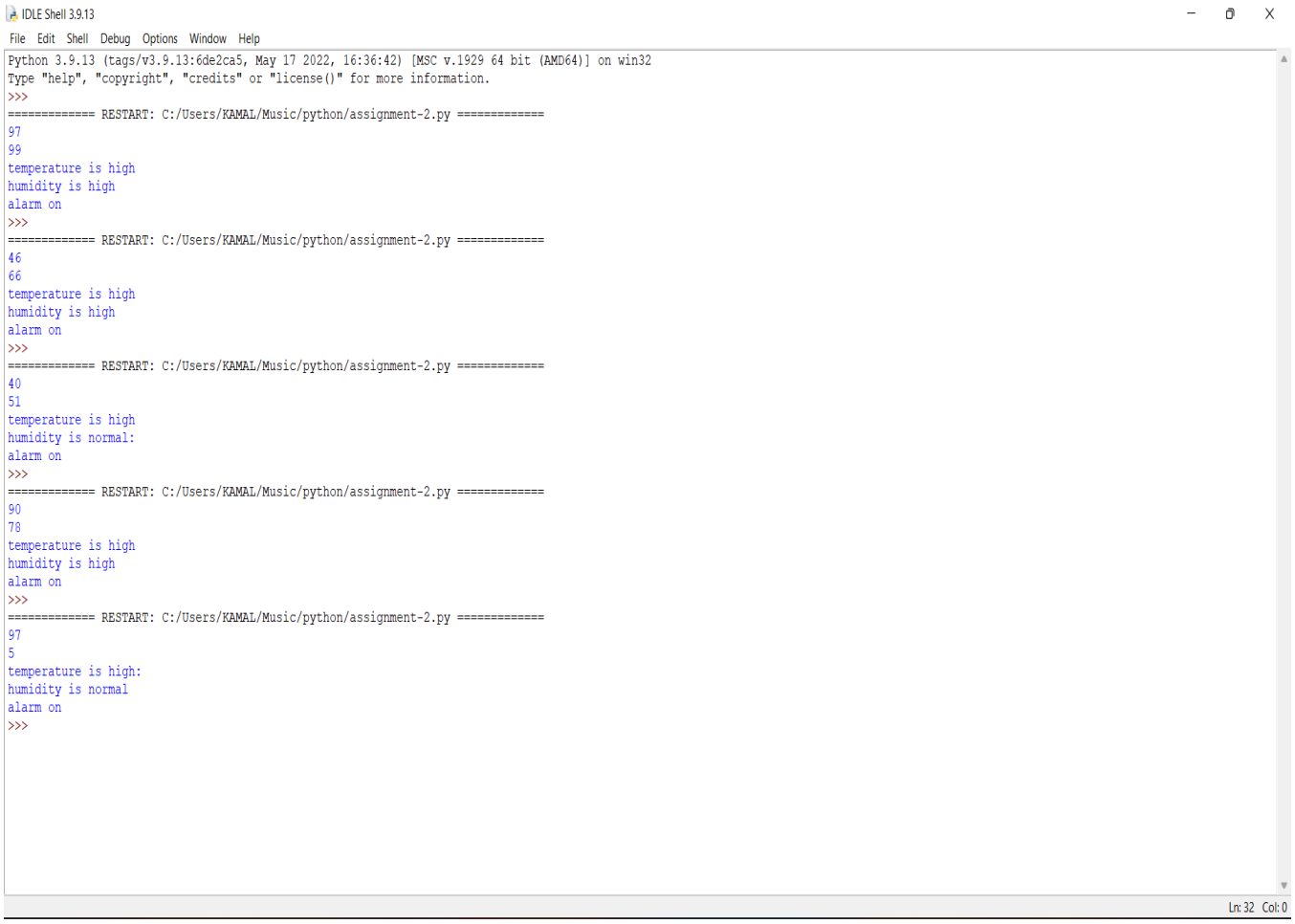
ASSIGNMENT – 2

Build a python code, assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Program Screenshot:



Output Screenshot:



Program Code:

```
import random #random function
temp=random.randint(1,100)
humty=random.randint(1,100)
print(temp)#temperature value
print(humty)#hmidity value

if ((temp<30)&(humty<50)):
   print("temperature is normal :")
   print("humidity is normal:")
   print("alarm off")
elif((temp<30)&(humty>50)):
   print("temperature is low")
   print("humidity is high")
   print("alarm off")
elif((temp>30) & (humty<50)):
   print("temperature is high:")
   print("humidity is normal")
   print("alarm on")
elif((temp>30) & (humty<60)):
   print("temperature is high")
   print("humidity is normal:")
   print("alarm on")
elif((temp>30) & (humty>60)):
   print("temperature is high")
   print("humidity is high")
   print("alarm on")
```