Assignment -2

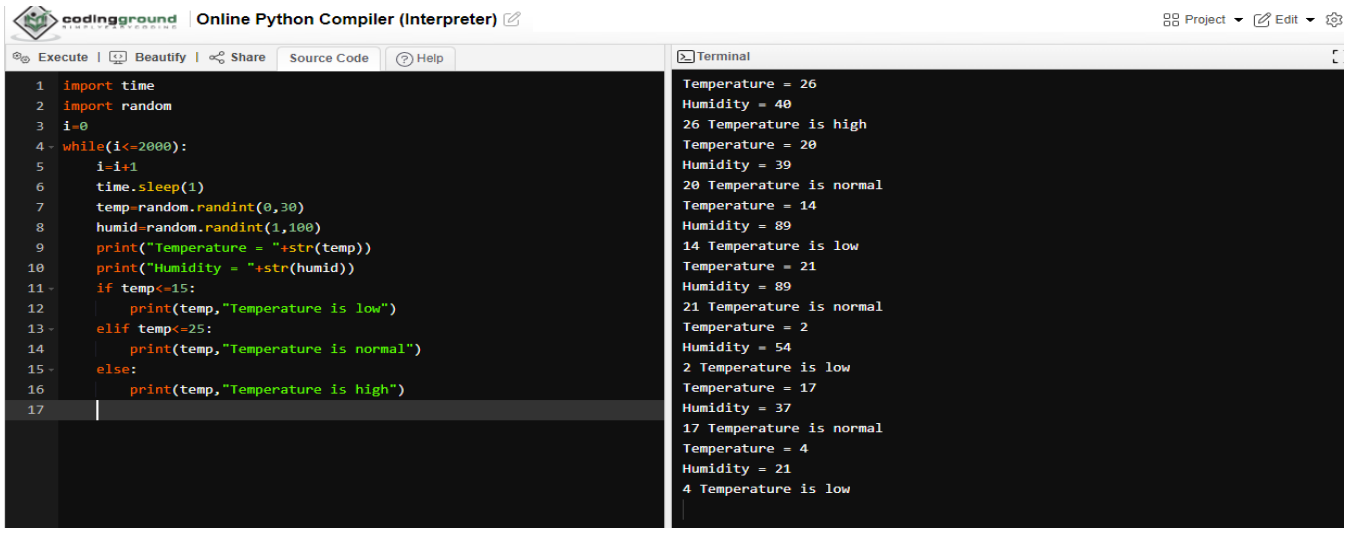
SMART SOLUTIONS FOR RAILWAYS

Assignment Date	26 September 2022
Student Name	NIRANJANAA D S
Student Roll Number	113219071026
Maximum Marks	2 Marks

Build a python code, Assume 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.

```
import time
import random
i=0
while(i<=2000):
    i=i+1
    time.sleep(1)
    temp=random.randint(0,30)
    humid=random.randint(1,100)
    print("Temperature = "+str(temp))
    print("Humidity = "+str(humid))
    if temp<=15:
        print(temp,"Temperature is low")
    elif temp<=25:
        print(temp,"Temperature is normal")
    else:
        print(temp,"Temperature is high")
```

OUTPUT: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Source Code
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Terminal
import time
import random
i=0
while(i<=2000):
i=i+1
time.sleep(1)
temp=random.randint(0,30)
humid=random.randint(1,100)
print("Temperature = "+str(temp))
print("Humidity = "+str(humid))
if temp<=15:
print(temp,"Temperature is low")
elif temp<=25:
print(temp,"Temperature is normal")
else:
print(temp,"Temperature is high")
Temperature = 26
Humidity = 40
26 Temperature is high
Temperature = 20
Humidity = 39
20 Temperature is normal
Temperature = 14
Humidity = 89
14 Temperature is low
Temperature = 21
Humidity = 89
21 Temperature is normal
Temperature = 2
Humidity = 54
2 Temperature is low
Temperature = 17
Humidity = 37
17 Temperature is normal
Temperature = 4
Humidity = 21
4 Temperature is low