

## Assignment-2

# SMART SOLUTION FOR RAILWAYS

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Build a python code, Assume u 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:

```
while(1):  
import random  
temperature=random.randint(0,100)  
    humidity=random.randint(0,100)  
    print("Temperature:",temperature)  
print("Humidity:",humidity)  
    if((temperature>30)and(humidity>60)) :  
        print ("Temperature and humidity is high")  
print("Alarm ON!!!")  
    else:  
print("Range is normal")
```

Online Python Compiler

https://www.online-python.com/online\_python\_compiler

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```
Temperature: 35
Humidity: 4
Range is normal
Temperature: 89
Humidity: 71
Temperature and humidity is high
Alarm ON!!!
Temperature: 86
Humidity: 98
Temperature and humidity is high
Alarm ON!!!
Temperature: 50
Humidity: 76
Temperature and humidity is high
Alarm ON!!!
Temperature: 82
Humidity: 43
Range is normal
Temperature: 55
Humidity: 91
Temperature and humidity is high
Alarm ON!!!
Temperature: 12
Humidity: 41
Range is normal
Temperature: 83
Humidity: 90
Temperature and humidity is high
```