

## 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")
```

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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
```