

TEAM ID	PNT2022TMID04587
PROJECT NAME	Industry - specific intelligent fire management system

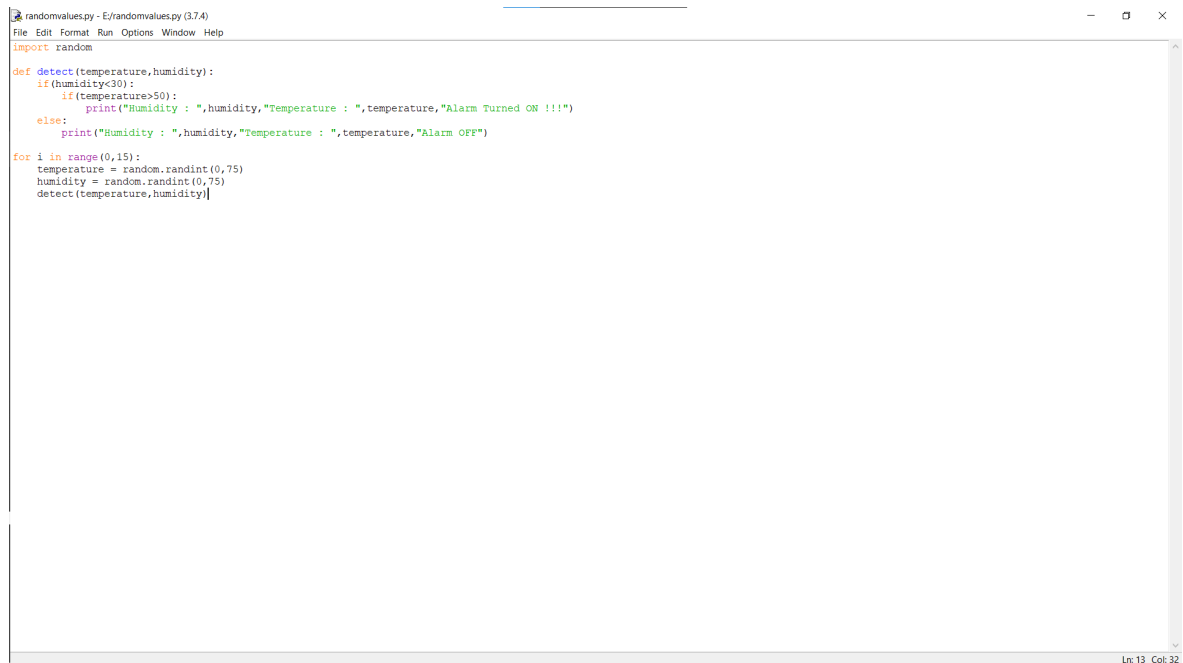
DEVELOP A PYTHON SCRIPT

CODE:

```
import random
```

```
def detect(temperature,humidity):
    if(humidity<30):
        if(temperature>50):
            print("Humidity : ",humidity,"Temperature : ",temperature,"Alarm Turned ON !!!")
        else:
            print("Humidity : ",humidity,"Temperature : ",temperature,"Alarm OFF")
```

```
for i in range(0,15):
    temperature = random.randint(0,75)
    humidity = random.randint(0,75)
    detect(temperature,humidity)
```



The screenshot shows a text editor window titled 'randomvalues.py - E:/randomvalues.py (3,74)'. The editor contains the following Python code:

```
import random

def detect(temperature,humidity):
    if(humidity<30):
        if(temperature>50):
            print("Humidity : ",humidity,"Temperature : ",temperature,"Alarm Turned ON !!!")
        else:
            print("Humidity : ",humidity,"Temperature : ",temperature,"Alarm OFF")

for i in range(0,15):
    temperature = random.randint(0,75)
    humidity = random.randint(0,75)
    detect(temperature,humidity)
```

The status bar at the bottom right indicates 'Ln: 13 Col: 32'.

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/randomvalues.py =====
Humidity : 60 Temperature : 8 Alarm OFF
Humidity : 60 Temperature : 64 Alarm OFF
Humidity : 58 Temperature : 48 Alarm OFF
Humidity : 50 Temperature : 47 Alarm OFF
Humidity : 36 Temperature : 69 Alarm OFF
Humidity : 7 Temperature : 66 Alarm Turned ON !!!
Humidity : 68 Temperature : 1 Alarm OFF
Humidity : 61 Temperature : 31 Alarm OFF
Humidity : 49 Temperature : 61 Alarm OFF
Humidity : 58 Temperature : 20 Alarm OFF
>>>
```

Ln: 15 Col: 4