

ASSIGNMENT- 2

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|---------------|--|
| Date | 27 September 2022 |
| Team ID | PNT2022TMID44357 |
| Project Name | IoT Based Smart Crop Protection System for Agriculture |
| Maximum Marks | 2 marks |

NAME: SAKTHI S

1.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.

PROGRAM:

```
import random
```

```
while(True):
```

```
    a=random.randint(10,99)
```

```
    b=random.randint(10,99)
```

```
    if(a>35 and b>60):
```

```
        print("high temperature and humidityof:",a,b,"% ","alarm is on")
```

```
    elif(a<35 and b<60):
```

```
        print("normal temperature and humidityof:",a,b,"% ","alarm is off")
```

```
    break
```

CODE:

assignment-2.py - C:\Users\DELL\Desktop\assignment-2.py (3.10.7)

File Edit Format Run Options Window Help

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of:",a,b,"%","alarm i
    elif(a<35 and b<60):
        print("normal temperature and humidity of:",a,b,"%","alarm
    break
```

OUTPUT:

IDLE Shell 3.10.7

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Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>

```
===== RESTART: C:\Users\DELL\Desktop\assignment-2.py =====
high temperature and humidity of: 65 67 % alarm is on
high temperature and humidity of: 80 99 % alarm is on
high temperature and humidity of: 53 68 % alarm is on
normal temperature and humidity of: 32 54 % alarm is off
```

>>>