

ASSIGNMENT-2

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|---------------|---------------------------------|
| Date | 24-09-2022 |
| Team ID | PNT2022TMID24432 |
| Project Name | IOT BASED SMART CROP PROTECTION |
| Maximum Marks | 2 Marks |

TOPIC: Assignment on temperature and humidity sensing and alarm automation using python.

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CODE:

```
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 is on")
```

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

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

```
    break
```

```
main.py
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temperature and humidity of :",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("normal temperature and humidity of :",a,b,"%","alarm is off")
9         break

input
high temperature and humidity of : 48 92 % alarm is on
high temperature and humidity of : 64 72 % alarm is on
high temperature and humidity of : 44 74 % alarm is on
normal temperature and humidity of : 25 42 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.
```