

ASSIGNMENT-II

Assignment Date	24 September 2022
Student Name	Pavithra P
Student Roll Number	715519106032
Team ID	PNT2022TMID43384
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Maximum marks	2 marks

Question: Assignment on temperature and humidity sensing and alarm automation using python

Code:

```
import random
```

```
while(True):
```

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

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

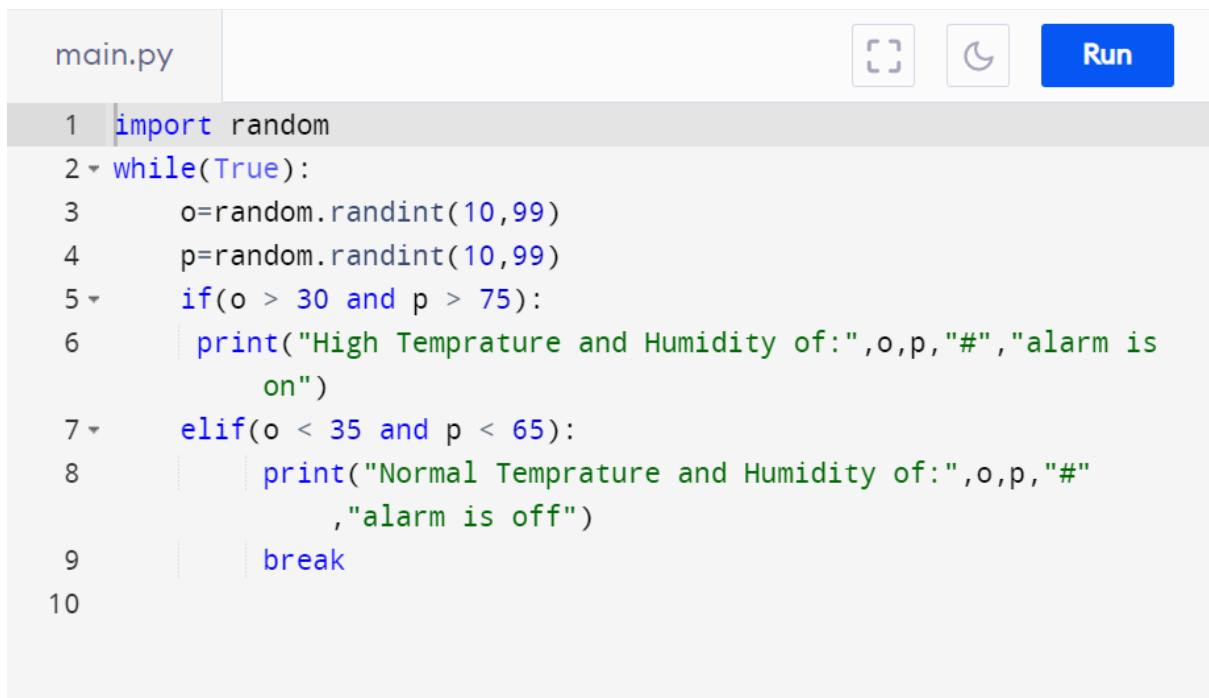
```
    if(o > 30 and p > 75):
```

```
        print("High Temperature and Humidity of:",o,p,"#", "alarm is on")
```

```
    elif(o < 35 and p < 65):
```

```
        print("Normal Temperature and Humidity of:",o,p,"#", "alarm is off")
```

```
        break
```



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1 import random
2 while(True):
3     o=random.randint(10,99)
4     p=random.randint(10,99)
5     if(o > 30 and p > 75):
6         print("High Temperature and Humidity of:",o,p,"#", "alarm is on")
7     elif(o < 35 and p < 65):
8         print("Normal Temperature and Humidity of:",o,p,"#", "alarm is off")
9         break
10
```

Output:

```
High Temprature and Humidity of: 99 93 # alarm is on  
Normal Temprature and Humidity of: 26 21 # alarm is off  
> |
```