

## Assignment-2

Assignment Date	24.09.2022
Student Name	Anuvratha Vijay
Student Roll Number	715519106003
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)
```

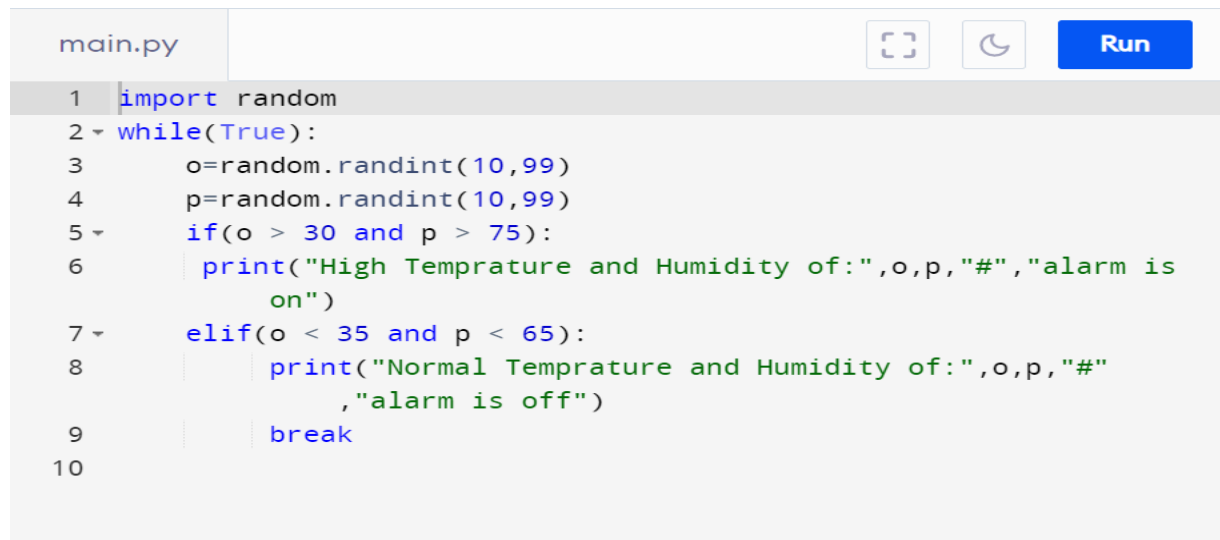
```
    if(o > 30 and p > 75):
```

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

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

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

```
        break
```

A screenshot of a Python IDE window titled '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 Temprature and Humidity of:",o,p,"#", "alarm is on")
7     elif(o < 35 and p < 65):
8         print("Normal Temprature and Humidity of:",o,p,"#", "alarm is off")
9         break
10
```

The IDE interface includes a file explorer on the left showing 'main.py', a toolbar on the right with icons for file operations and a 'Run' button, and a line number column on the left of the code editor.

**Output:**

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