

Assignment-2

Assignment Date	24-09-2022
Student Name	ARCHANA G
Student Roll Number	715519106004
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)
```

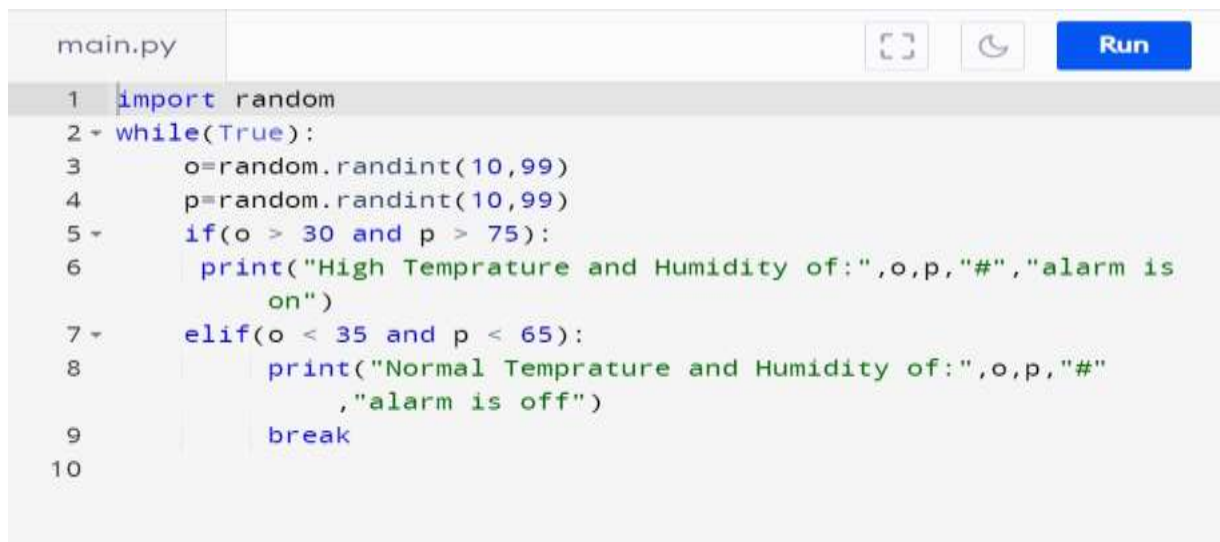
```
if(o > 30 and p > 75):
```

```
    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 running and debugging, and a blue 'Run' button.

Output:

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