

ASSIGNMENT-I

Assignment Date	24 September 2022
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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 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 interface. At the top, there's a tab labeled 'main.py'. To the right of the tab are three icons: a square with a circle inside (likely for running or debugging), a circular arrow (likely for refreshing or undo), and a blue button labeled 'Run'. Below the tab, the code is displayed in a light gray background with syntax highlighting. 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
```

Output:

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