

Assignment -2

Python Programming

Assignment Date	24 September 2022
Student Name	Ms. Gowshalya S
Student Roll Number	611219106301
Maximum Marks	2 Marks

Build a python code, assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import random
print("Welcome To Tempertature monitoring IoT Device\n")
temp=int(random.randint(0,100))
humdi=int(random.randint(1,100))

if temp >= 50:
    print("High Temperature")
    print(f"Humidity Level is {humdi}%")
else:
    print("Room Temperature")
    print(f"Humidity Level is {humdi}%")
```

Output

```
Welcome To Tempertature monitoring IoT Device
```

```
High Temperature
Humidity Level is 71%
```

```
> |
```

```
Welcome To Tempertature monitoring IoT Device
```

```
Room Temperature
Humidity Level is 19%
```

```
> |
```