

**Assignment -1**  
Python Programming

|                     |                   |
|---------------------|-------------------|
| Assignment Date     | 27 September 2022 |
| Student Name        | Manisha S         |
| Student Roll Number | 621319106053      |
| Maximum Marks       | 2 Marks           |

**Question-1:**

Build a python code, Assume you get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature.

**Solution:**

```
import random
```

```
while True:
```

```
    temp=random.randint(1,100)
```

```
    humidity=random.randint(1,100)
```

```
    print("humidity is:{ } ".format(humidity))
```

```
    print("Temperature is :{ }".format(temp))
```

```
    if(humidity<=23):
```

```
        print("humidity is normal")
```

```
    else:
```

```
        print("humidity greater...!!")
```

```
    if(temp<=20):
```

```
        print("normal")
```

```
    else:
```

```
        print("hazard detected")
```

```
assignment2.py - C:\Users\USER\AppData\Local\Programs\Python\Python310\assignment2.py (3.10.7)
File Edit Format Run Options Window Help
import random
while True:
    temp=random.randint(1,100)
    humidity=random.randint(1,100)
    print("humidity is:{}".format(humidity))
    print("Temperature is :{}".format(temp))
    if(humidity<=23):
        print("humidity is normal")
    else:
        print("humidity greater...!!")
    if(temp<=20):
        print("normal")
    else:
        print("hazard detected")

IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Temperature is :14
humidity greater...!!
normal
humidity is:77
Temperature is :44
humidity greater...!!
hazard detected
humidity is:39
Temperature is :55
humidity greater...!!
hazard detected
humidity is:69
Temperature is :52
humidity greater...!!
hazard detected
humidity is:41
Temperature is :45
humidity greater...!!
hazard detected
humidity is:57
Temperature is :88
humidity greater...!!
hazard detected
humidity is:32
Temperature is :34
humidity greater...!!
hazard detected
```