

Assignment -2

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| Assignment Date | 28 September 2022 |
| Student Name | Suvatha A S |
| Student Roll Number | 611219106078 |
| Maximum Marks | 2 Marks |

Question:

Build a python code, assume you 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.

Code:

```
import random
```

```
while(True):
```

```
    x=random.randint(10,99)
```

```
    y=random.randint(10,99)
```

```
    if(x>40 and y>70):
```

```
        print("Alarm's high temperature and humidity is ",x,y,"%","is ON")
```

```
    elif(x<30 and y<55):
```

```
        print("Alarm's normal temperature and humidity is ",x,y,"%","is OFF")
```

```
    break
```

Output:

```
import random
while(True):
    x=random.randint(10,99)
    y=random.randint(10,99)
    if(x>40 and y>70):
        print("Alarm's high temperature and humidity is ",x,y,"%","is ON")
    elif(x<30 and y<55):
        print("Alarm's normal temperature and humidity is ",x,y,"%","is OFF")
    break
```

```
Alarm's high temperature and humidity is 85 77 % is ON
Alarm's high temperature and humidity is 48 98 % is ON
Alarm's normal temperature and humidity is 13 30 % is OFF
```