

## Assignment -2Python programming

Assignment Date	19 September 2022
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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 high temperature .

### Solution:

```
import random
```

```
while(True):
```

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

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

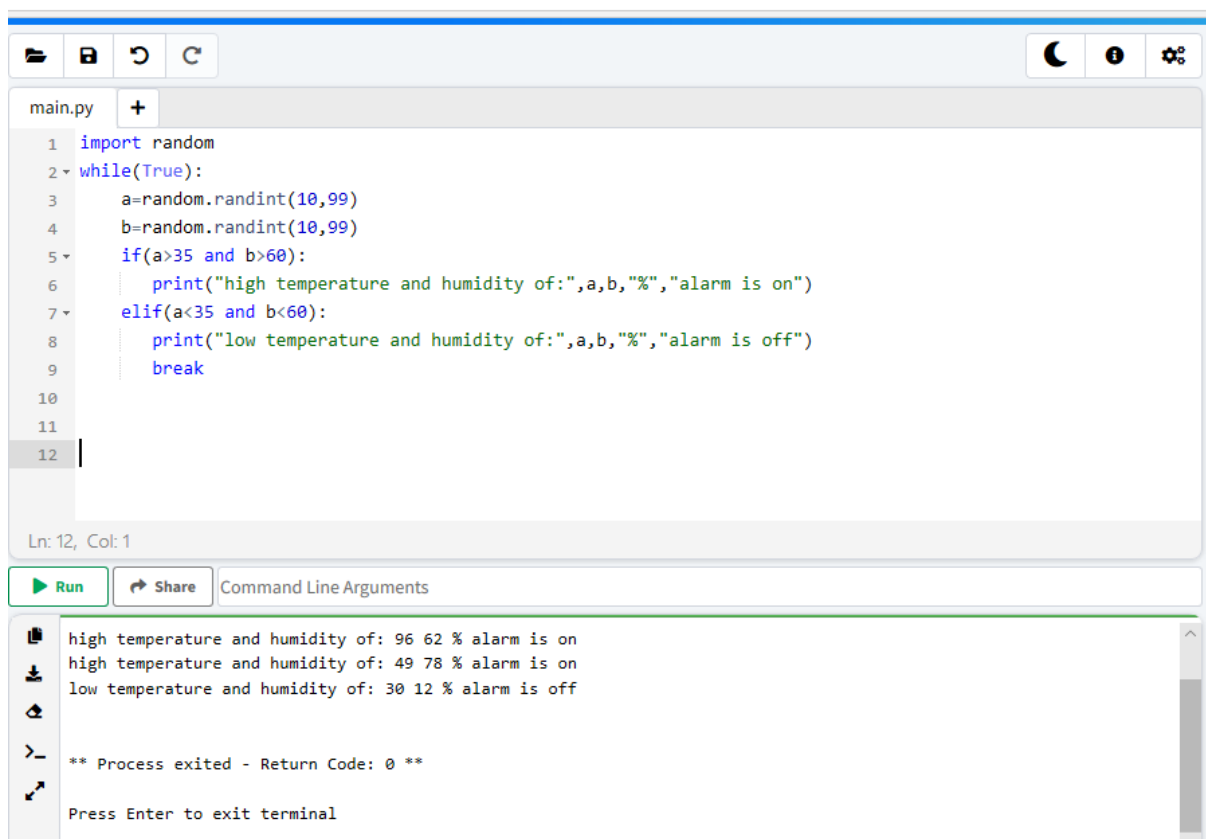
```
    if(a>35 and b>60):
```

```
        print("high temperature and humidity of:",a,b,"%","alarm is on")
```

```
    elif(a<35 and b<60):
```

```
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
```

```
        Break
```



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temperature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("low temperature and humidity of:",a,b,"%","alarm is off")
9         break
10
11
12
```

The output of the program is displayed in the terminal window below the code editor:

```
high temperature and humidity of: 96 62 % alarm is on
high temperature and humidity of: 49 78 % alarm is on
low temperature and humidity of: 30 12 % alarm is off

** Process exited - Return Code: 0 **

Press Enter to exit terminal
```