

## Assignment -2

Assignment Date	19 September 2022
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### Question-1:

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

Python Code:

```
import random
```

```
while(True):
```

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

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

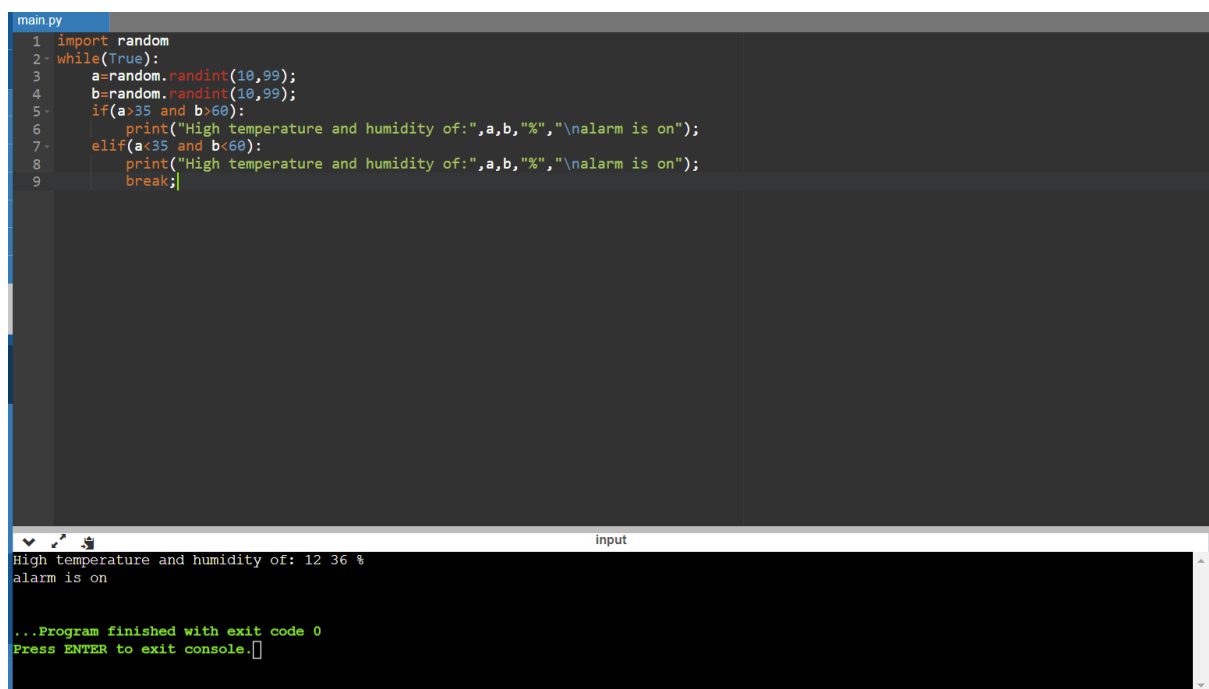
```
    if(a>35 and b>60):
```

```
        print("High temperature and humidity of:",a,b,"%","\nalarm is on");
```

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

```
        print("High temperature and humidity of:",a,b,"%","\nalarm is on");
```

```
    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,"%","\nalarm is on");
7     elif(a<35 and b<60):
8         print("High temperature and humidity of:",a,b,"%","\nalarm is on");
9     break;
```

The output window shows the following text:

```
High temperature and humidity of: 12 36 %
alarm is on

...Program finished with exit code 0
Press ENTER to exit console.
```