

MAHENDRA ENGINEERING COLLEGE FOR WOMEN

ASSIGNMENT-2

Name:M. poonguzhali

class:4 yearCSE

SUBJECT:IBM

REGISTER:611419104054

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

```
import random
```

```
while(True):
```

```
    a=random.randint(10,120)
```

```
    b=random.randint(10,120)
```

```
    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


OUTPUT:

```
main.py  Run  Shell  Clear
1 import random
2 while(True):
3     a=random.randint(10,120)
4     b=random.randint(10,120)
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("Normal temperature and humidity of
              :",a,b,"% alarm is off")
9         break
```



```
high temperature and humidity of: 93 71 % alarm is on
high temperature and humidity of: 102 114 % alarm is on
Normal temperature and humidity of: 26 16 % alarm is off
>
```

```
main.py  Run  Shell  Clear
1 import random
2 while(True):
3     a=random.randint(10,120)
4     b=random.randint(10,120)
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("Normal temperature and humidity of
              :",a,b,"% alarm is off")
9         break
```

```
high temperature and humidity of: 70 95 % alarm is on
high temperature and humidity of: 82 108 % alarm is on
high temperature and humidity of: 62 91 % alarm is on
high temperature and humidity of: 82 70 % alarm is on
Normal temperature and humidity of: 28 40 % alarm is off
>
```







main.py



Run

Shell

Clear



JS

```
1 import random
2 while(True):
3     a=random.randint(10,120)
4     b=random.randint(10,120)
5     if(a>35 and b>60):
6         print(" high temperature and humidity of:",a,b
7             ,"% alarm is on")
8     elif(a<35 and b<60):
9         print("Normal temperature and humidity of
10             :",a,b,"% alarm is off")
11     break
```

```
Normal temperature and humidity of: 32 58 % alarm is off
>
```