

## **ASSIGNMENT-2**

### **MAHENDRA ENGINEERING COLLEGE FOR WOMEN**

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**CLASS:IV CSE**

**SUBJECT:IBM**

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*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
```

`off:",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
7             ,"% alarm is on")
8     elif(a<35 and b<60):
9         print("Normal temperature and humidity of
            :",a,b,"% alarm is off")
10        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
7             ,"% alarm is on")
8     elif(a<35 and b<60):
9         print("Normal temperature and humidity of
            :",a,b,"% alarm is off")
```

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



```
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
```

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