

ASSIGNMENT 2

MAHENDRA INSTITUTE OF TECHNOLOGY

(Autonomous)

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CLASS: 4 YEAR ECE

SUBJECT: IBM

REGISTER NO: 611619106006

CODE

```
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:

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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
10             :",a,b,"% alarm is off")
11     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
>

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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
10             :",a,b,"% alarm is off")
11     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
>

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Address bar: programiz.com/python-programming/online-compiler/

File explorer: main.py

Code editor:

```
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
```

Run button

Shell output:

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

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