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
```

of:",a,b,"% alarm is off")

break

OUTPUT:

```
main.py                          [ ]  ☾   Run
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
```

```
Shell                                        Clear
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
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
```

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