IBM ASSIGNMENT-2

TOPIC : Assignment on temperature and humidity sensing and alarm automation using python

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SOURCE CODE:

```
import random
while(True):
  temperature=random.randint(10,99)
  humidity=random.randint(10,99)
  if(temperature>35 and humidity>60):
     print("high temperature and humidity of:",temperature,humidity,"%","alarm is on")
  elif(temperature<35 and humidity<60):
     print("Normal temperature and humidity of:",temperature,humidity,"%","alarm is off")
     break
```

OUTPUT:

main.py

Run

```
import random
while(True):
   temperature=random.randint(10,99)
   humidity=random.randint(10,99)
   if(temperature>35 and humidity>60):
      print("high temperature and humidity of:",temperature,humidity,"%","alarm is
          on")
   elif(temperature<35 and humidity<60):
      print("Normal temperature and humidity of:",temperature,humidity,"%","alarm
          is off")
      break
```

Shell

Clear

```
high temperature and humidity of: 65 96 % alarm is on
high temperature and humidity of: 41 70 % alarm is on
high temperature and humidity of: 88 76 % alarm is on
high temperature and humidity of: 60 98 % alarm is on
Normal temperature and humidity of: 11 12 % alarm is off
>
```