ASSIGNMENT-2

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

```
Code:
from random import randint
def generating tempvalue():
  return randint(1,150)
def generating humidityvalue():
  return randint(1,150)
random tempvalue = generating tempvalue()
print("The value of temperature is:",random tempvalue)
random humidityvalue = generating humidityvalue()
print("The value of humidity is:",random humidityvalue)
if random tempvalue>80:
  print("High temperature detected")
  if random humidityvalue>90:
    print("High humidity\n******ALERT SIGNAL******")
  else:
    print("High temperature detected")
elif random tempvalue==80:
```

```
print("Temperature is at maximum level")
else:
    print("Normal")
```

```
mainpy

Outsine rysion coupsies.

Code, Compile, Run and Debug python program online.

Write your code in this editor and press "Run" button to execute it.

Kin the your code for getting temperature and humidity value and detect alarm from random import randint

def generating tempvalue():
return randint(1,150)

def generating humidityvalue():
return randint(1,150)

random tempvalue generating tempvalue()
print("The value of temperature is:", random tempvalue)
print("The value of humidity is:", random tempvalue)

random humidityvalue generating humidityvalue()
print("The value of humidity is:", random humidityvalue)

if random humidityvalue sego:

print("High temperature detected")

relif random tempvalue-80:
print("High temperature detected")

relif random tempvalue-80:
print("High temperature detected")

relif random tempvalue-80:
print("High temperature is at maximum level")

relif random tempvalue-30:
print("High temperature is at maximum level")

relif random tempvalue-30:
print("Normal")

relif random tempvalue-30:
print("Normal")

relif random tempvalue-30:
print("High temperature is at maximum level")

results to exit console.
```

OUTPUT: