

ASSIGNMENT -2
BUILD A PYTHON CODE

Assignment date	28 September 2022
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Maximum mark	2 mark

QUESTION - 2

Build a python code. Assume you get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

SOLUTION:

CODE:

```
#Temperature and humidity sensing alarm
import random
while(True):
a=random.randint(10,100)
b=random.randint(10,100)
if(a>35 and b>60):
print("High Temperature and humidity of:",a,b,"%","Alarm is ON")
elif(a<35 and b<60):
print("High Temperature and humidity of:", a, b, "%", "Alarm is OFF")
break
```

OUTPUT:

Online Python Compiler - online

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main.py

```
1 import random
2 while(True):
3     a=random.randint(10,100)
4     b=random.randint(10,100)
5     if(a>35 and b>60):
6         print("High Temperature and humidity of: 95 67 % A")
7     elif(a<35 and b<60):
8         print("High Temperature and humidity of: 19 25 % A")
9         break
```

High Temperature and humidity of: 95 67 % A
High Temperature and humidity of: 19 25 % A

...Program finished with exit code 0
Press ENTER to exit console.