Assignment – 2

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```python
import random
while(True):
    x=random.randint(10,1000)
    y=random.randint(10,1000)
    if(x>400 and y>900):
        print("high temperature and humidity of:",x,y,"%","alarm is on")
    elif(x==400 and y==900):
        print("mid temperature and humidity of:",x,y,"%","alarm is on")
    elif(x<400 and y<900):
        print("Normal temperature and humidity of:",x,y,"%","alarm is off")
        break
```

IDLE Shell 3.10.0

File Edit Shell Debug Options Window Help

```
Python 3.10.0 (tags/v3.10.0:b494f5 , Oct 13 2021,  9:00:18) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310
Normal temperature and humidity of: 390 821 % alarm is off
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310
high temperature and humidity of: 955 936 % alarm is on
Normal temperature and humidity of: 356 840 % alarm is off
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310
Normal temperature and humidity of: 251 660 % alarm is off
>>>
```