

## ASSIGNMENT-2

#Build a python code to get temperature and humidity generated with random numbers and write a condition to continuously detect alarm in case of high temperature and humidity

```
import
random
import time

def get_temp():
    return random.randint(0, 100)

def get_humidity():
    return random.randint(0, 100)

def
    check_temp(temp):
        if temp > 90:
            print("Temperature is too
            high") return True
        else:
            return False

def check_humidity(humidity):
    if humidity > 70:
        print("Humidity is too high")
        return True
    else:
        return False
```

```
def main():  
    while True:  
        temp = get_temp()  
        humidity = get_humidity()  
        if check_temp(temp) or  
           check_humidity(humidity): print("ALARM")  
        else:  
            print("Everything is fine")  
        time.sleep(1)  
  
if __name__ == "__main__":  
    main()
```

## OUTPUT:

```
Select C:\Windows\py.exe
Temperature is too high
ALARM
Everything is fine
Temperature is too high
ALARM
Humidity is too high
ALARM
Everything is fine
Humidity is too high
ALARM
Humidity is too high
ALARM
Everything is fine
Everything is fine
Humidity is too high
ALARM
Humidity is too high
ALARM
Everything is fine
Everything is fine
```