

NAME: JANANI S

TEAM ID: PNT2022TMID01761

Assignment 2: Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously

while True:

```
    humidity, temperature = Adafruit_DHT.read_retry(dht22_sensor, DHT_DATA_PIN)
```

```
    if humidity is not None and temperature is not None:
```

```
        print('Temp={0:0.1f}*C Humidity={1:0.1f}%'.format(temperature, humidity))
```

```
        # Send humidity and temperature feeds to Adafruit IO
```

```
        temperature = '%.2f'%(temperature)
```

```
        humidity = '%.2f'%(humidity)
```

```
        aio.send(temperature_feed.key, str(temperature))
```

```
        aio.send(humidity_feed.key, str(humidity))
```

```
    else:
```

```
        print('Failed to get DHT22 Reading, trying again in ', DHT_READ_TIMEOUT, 'seconds')
```

```
    # Timeout to avoid flooding Adafruit IO
```

```
    time.sleep(DHT_READ_TIMEOUT)
```