BATCH NO :B11-5A1E

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CHILD SAFETY AND MONITORING AND NOTIFICATION SYSTEM:

CIRCUIT CODE:

```
# import standard python modules.

 import time # import adafruit dht library.

 import Adafruit_DHT # import Adafruit IO REST client.

 from Adafruit_IO import Client,

Feed # Delay in-between sensor readings, in seconds.

DHT_READ_TIMEOUT = 5 # Pin connected to DHT22 data pin DHT_DATA_PIN = 26

# Set to your Adafruit IO key.

 # Remember, your key is a secret,

# so make sure not to publish it when you publish this code! ADAFRUIT_IO_KEY =
'YOUR_AIO_KEY'

# Set to your Adafruit IO username.

 # (go to https://accounts.adafruit.com to find your username).
ADAFRUIT_IO_USERNAME = 'YOUR_AIO_USERNAME'

# Create an instance of the REST client. aio = Client(ADAFRUIT_IO_USERNAME,
ADAFRUIT_IO_KEY)

# Set up Adafruit IO Feeds. temperature_feed = aio.feeds('temperature')
humidity_feed = aio.feeds('humidity') # Set up DHT22 Sensor. dht22_sensor =
Adafruit_DHT.DHT22 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)
```