```
This Python Script uses Adafruit Python DHT Sensor Library to read the DHT
series of humidity and temperature sensors on a Raspberry Pi 3 (Model  B+). The sensor
used is the DHT22 temperature-humidity sensor. --> https://www.adafruit.com/products/385
```

Adafruit_DHT	mysql	socket	uuid
RPi.GPIO	os	sys	
datetime	pyrebase	time	

destroy()
```
Function to to clean up all the GPIO ports used in this script.
It resets ports used in this program back to input mode.
:return: nothing
```

get_ip()
```
Function to get the IP address of the Raspberry Pi.
:return: returns the IP address
```

get_mac()
```
Function to get the MAC address of the Raspberry Pi.
:return: returns the MAC address
```

uploadDeviceInformation()
```
Function to upload or insert the Raspberry Pi information into the database (device table)
:return: nothing
```

uploadSensorReadings()
```
Function to upload or insert real-time sensor readings of temperature, light intensity and
humidity into MySQL database.
:return: nothing
```

uploadToFirebase()
```
Function to upload or insert real-time sensor readings of temperature and
humidity into the Firebase database. It also alerts the user if temperature > 25 degrees celcius
or humidity >50% (too humid or warm for the cakes) by turning a red LED on.
:return: nothing
```

Config = {'apiKey': 'AIzaSyANky8tRqM9OB-DE7GhGCbsXNrc1miPbi4', 'appId': '1:767798854296:web:daf29694c4517a34', 'authDomain': 'database2-3608a.firebaseapp.com', 'databaseURL': 'https://database2-3608a.firebaseio.com', 'messagingSenderId': '767798854296', 'projectId': 'database2-3608a', 'storageBucket': 'database2-3608a.appspot.com'}
LightSensorAnalog = 3
LightSensorDigital = 2
RedLight = 19
cnx = <mysql.connector.connection.MySQLConnection object>
sensor = 11