**To Save the captured images from camera, there is two approaches:**

1. **download images from webpage:**

Explanation:

This script gets all images in a webpage of specific IP address in base-64 form,

convert them to images and save them in local folder in the server.

Usage:

This approach will be used if the current WIFI module succeed to upload the base64 code of each captured image from the camera to the webpage at one time without the need to divide the image into smaller data, according to the buffer size of the WIFI module.

Implemented functions:

1. **make soup:**

Functionality:

to get the data of specific URL.

Input argument:

the URL or IP address want to get the images from.

Output:

the HTML data of the webpage

1. **get images:**

Functionality:

extract all images from the returned data after reading the webpage and save the data in src attribute which relates to the base64 of each image in a list.

Input:

the URL or IP address want to get the images from.

Output:

list of base64 of all images in the webpage

1. **save image:**

Functionality:

convert from base64 to image and save it in a local folder

Input:

base64 of the image

1. **save image from google sheet:**

Explanation:

this script used to read the base64 data of the captured images from google

sheet, convert them to image and save them in a local folder to be processed on

later.

Usage:

this approach will be used if the current WIFI module failed to send the base64 data of each image to the webpage at one time due to limitation in buffer size of the WIFI module.

Implemented functions:

1. **get images:**

Functionality:

get the base64 data of images from google sheet using google

sheet API.

Output:

list of all data of ‘image base64 code’ record which represents the base64 data of the captured images.

1. **save images:**

Functionality:

convert from base64 to image and save it in a local folder

Input:

base64 of the image