

RUN THE APPLICATION

The image displays two sequential screenshots of a Google Colaboratory notebook interface, showing the setup and initial code for a Flask application.

Top Screenshot:

- Files Panel:** Shows a directory structure with folders like `sample_data`, `Sample_Images-20221115T09313...`, `nutrition.h5`, `static-20221115T093341Z-001.zip`, `templates-20221115T093404Z-00...`, and `uploads-20221115T093428Z-001...`.
- Code Editor:** Contains the following Python code:

```
from flask import Flask, render_template, request

[19] import os

[20] import numpy as np #used for numerical analysis

[21] from tensorflow.keras.models import load_model

[22] from tensorflow.keras.preprocessing import image

[23] import requests

[24] app = Flask(__name__, template_folder="templates")

[25] model = load_model('nutrition.h5')

[26] print("Loaded model from disk")
```

The output of the code execution is: `Loaded model from disk`
- Bottom Panel:** Shows a list of files: `uploads-20221115....zip`, `templates-2022111....zip`, `static-20221115T0....zip`, and `Sample_Images-20....zip`.

Bottom Screenshot:

- Files Panel:** Same directory structure as the top screenshot.
- Code Editor:** Contains the following Python code:

```
@app.route('/')# route to display the home page
def home():
    return render_template('home.html')

[28] @app.route('/image1', methods=['GET', 'POST'])# routes to the index html
def image1():
    return render_template("image.html")

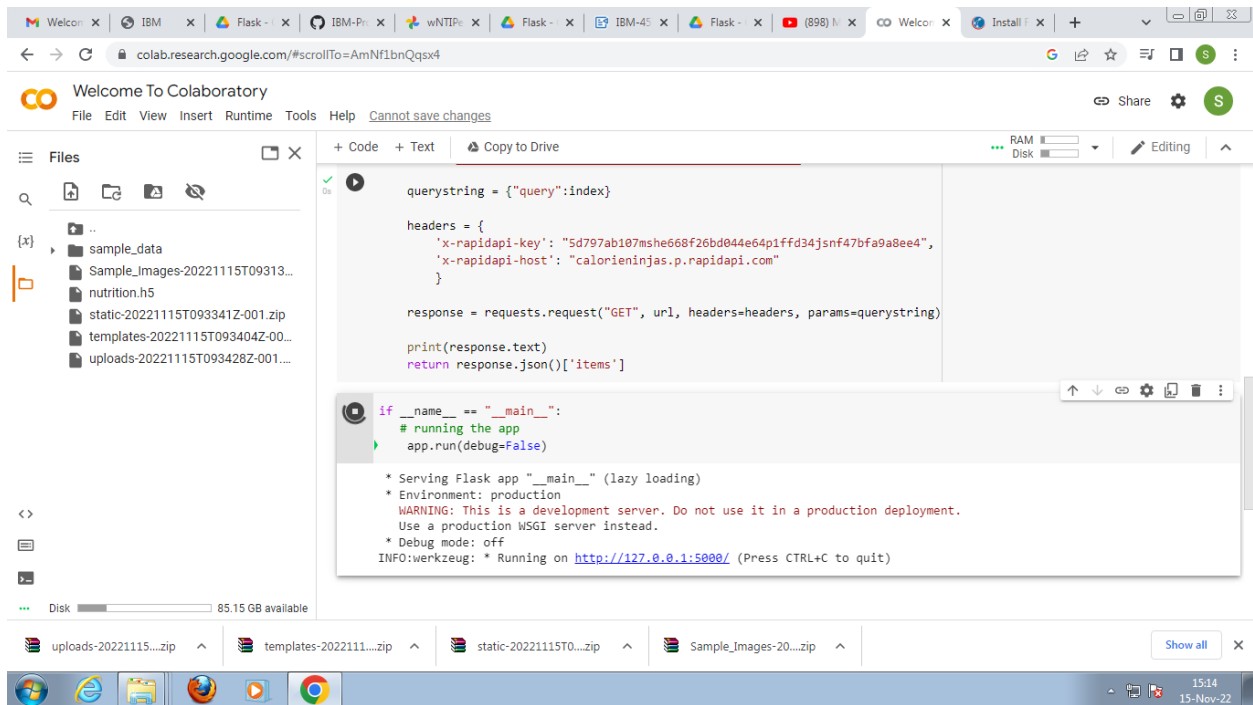
[41] def nutrition(index):

    url = "https://calorieninjas.p.rapidapi.com/v1/nutrition"

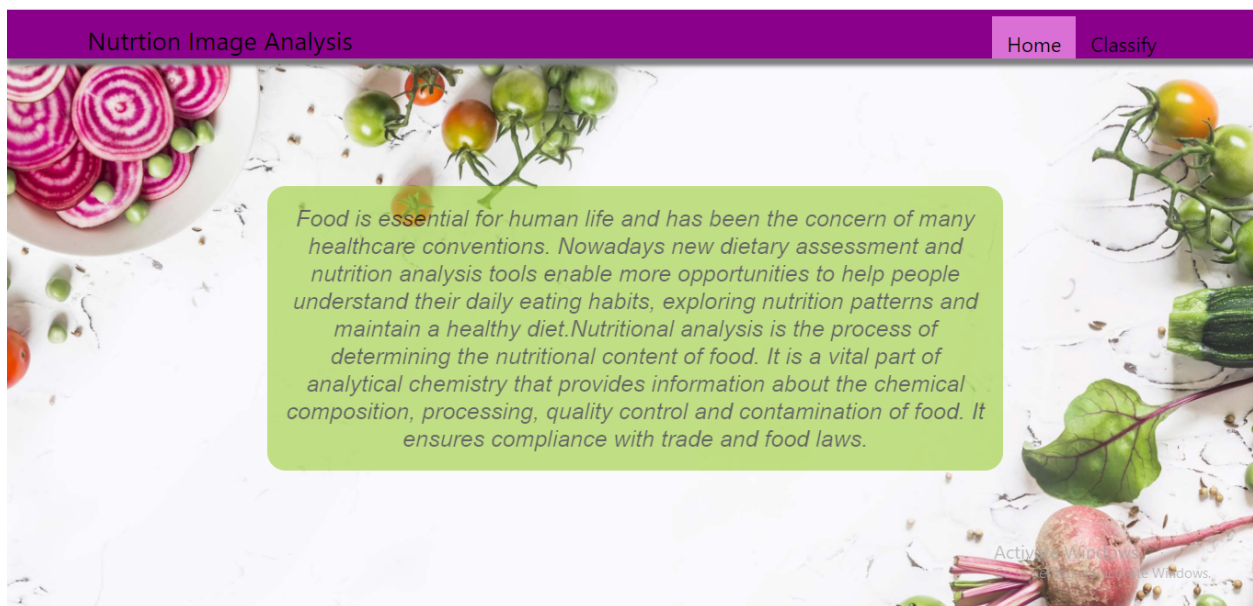
    querystring = {"query": index}

    headers = {
        'x-rapidapi-key': "5d797ab187msh668f26bd044e64p1ffd34jsnf47bfa9a8ee4",
        'x-rapidapi-host': "calorieninjas.p.rapidapi.com"
    }

    response = requests.request("GET", url, headers=headers, params=querystring)
```
- Bottom Panel:** Same list of files as the top screenshot.



OUTPUT SCREENSHOTS



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Food Classified is:

APPLES

[{'sugar_g': 10.3, 'fiber_g': 2.4, 'serving_size_g': 100.0, 'sodium_mg': 1, 'name': 'apples', 'potassium_mg': 11, 'fat_saturated_g': 0.0, 'fat_total_g': 0.2, 'calories': 53.4, 'cholesterol_mg': 0, 'protein_g': 0.3, 'carbohydrates_total_g': 13.8}]

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Food Classified is:

PINEAPPLE

[{'sugar_g': 9.9, 'fiber_g': 1.4, 'serving_size_g': 100.0, 'sodium_mg': 0, 'name': 'pineapple', 'potassium_mg': 8, 'fat_saturated_g': 0.0, 'fat_total_g': 0.1, 'calories': 50.8, 'cholesterol_mg': 0, 'protein_g': 0.5, 'carbohydrates_total_g': 13.0}]

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Food Classified is:

BANANA

[{'sugar_g': 12.3, 'fiber_g': 2.6, 'serving_size_g': 100.0, 'sodium_mg': 1, 'name': 'banana', 'potassium_mg': 22, 'fat_saturated_g': 0.1, 'fat_total_g': 0.3, 'calories': 89.4, 'cholesterol_mg': 0, 'protein_g': 1.1, 'carbohydrates_total_g': 23.2}]

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