

# ROUTING TO THE HTML PAGE

The image displays two sequential screenshots of a Google Colaboratory notebook, illustrating the development of a web application with routing to HTML pages.

**Top Screenshot:** The notebook interface shows a file explorer on the left with a directory structure including `sample_data`, `Sample_Images-20221115T09313...`, `nutrition.h5`, `static-20221115T093341Z-001.zip`, `templates-20221115T093404Z-00...`, and `uploads-20221115T093428Z-001...`. The code editor contains the following Python code:

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

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

[43] def launch():
    if request.method=='POST':
        f=request.files['file'] #requesting the file
        basepath=os.path.dirname('__file__')#storing the file directory
        filepath=os.path.join(basepath,"uploads",f.filename)#storing the file in uploads folder
        f.save(filepath)#saving the file

        img=image.load_img(filepath,target_size=(64,64)) #load and reshaping the image
        x=image.img_to_array(img)#converting image to an array
        x=np.expand_dims(x,axis=0)#changing the dimensions of the image

        pred=np.argmax(model.predict(x), axis=1)
        print("prediction",pred)#printing the prediction
        index=['APPLES','BANANA','ORANGE','PINEAPPLE','WATERMELON']
```

The bottom toolbar shows image thumbnails for `image444.png`, `image333.png`, `image222.png`, `image111.png`, and `uploads-20221115....zip`. The system clock indicates 15:27 on 15-Nov-22.

**Bottom Screenshot:** The same notebook interface is shown, but the code editor now includes additional logic for the `launch` function:

```
def launch():
    if request.method=='POST':
        f=request.files['file'] #requesting the file
        basepath=os.path.dirname('__file__')#storing the file directory
        filepath=os.path.join(basepath,"uploads",f.filename)#storing the file in uploads folder
        f.save(filepath)#saving the file

        img=image.load_img(filepath,target_size=(64,64)) #load and reshaping the image
        x=image.img_to_array(img)#converting image to an array
        x=np.expand_dims(x,axis=0)#changing the dimensions of the image

        pred=np.argmax(model.predict(x), axis=1)
        print("prediction",pred)#printing the prediction
        index=['APPLES','BANANA','ORANGE','PINEAPPLE','WATERMELON']

        result=str(index[pred[0]])

        x=result
        print(x)
        result=nutrition(result)
        print(result)

        return render_template("0.html",showcase=(result),showcase1=(x))
```

The bottom toolbar remains the same, and the system clock now shows 15:28 on 15-Nov-22.

colab.research.google.com/#scrollTo=3Y8qXC01uDwx

Welcome To Colaboratory

File Edit View Insert Runtime Tools Help Cannot save changes

Share S

Files

- sample\_data
- Sample\_Images-20221115T09313...
- nutrition.h5
- static-20221115T093341Z-001.zip
- templates-20221115T093404Z-00...
- uploads-20221115T093428Z-001...

RAM Disk

```
result=str(index[pred[0]])

x=result
print(x)
result=nutrition(result)
print(result)

return render_template("0.html",showcase=(result),showcase1=(x))
```

```
[44] def nutrition(index):

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

    querystring = {"query":index}

    headers = {
        'x-rapidapi-key': "5d797ab107mshe668f26bd044e64p1ffd34jsnf47bfa9a8ee4",
        'x-rapidapi-host': "calorieninjas.p.rapidapi.com"
    }

    response = requests.request("GET", url, headers=headers, params=querystring)

    print(response.text)
    return response.json()['items']
```

85.15 GB available

image444.png image333.png image222.png image111.png uploads-20221115....zip Show all

15:28 15-Nov-22