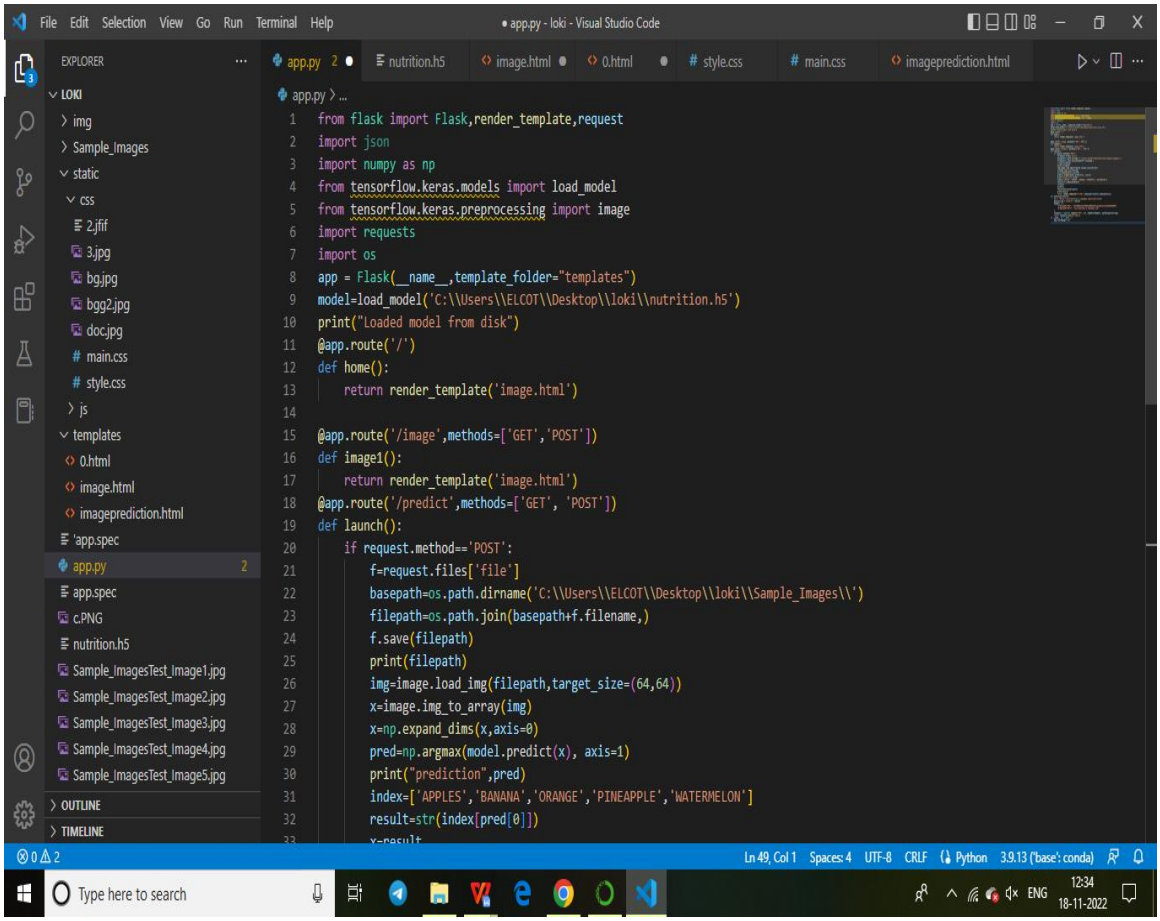
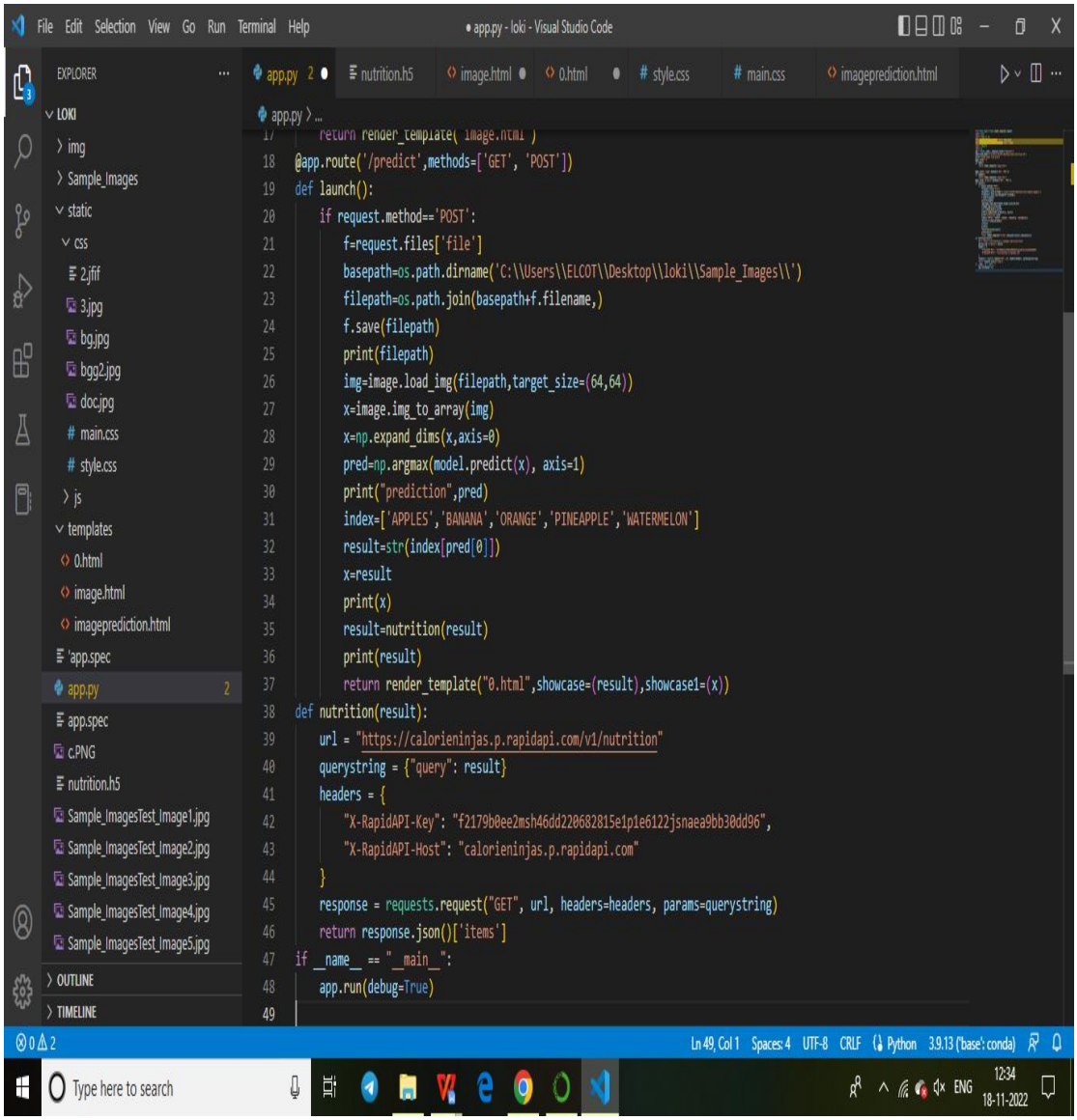
RUN THE APPLICATION

TEAM ID : PNT2022TMID10679

PROJECT NAME : AI-Powered Nutrition Analyzer for fitness enthusiasts

Run the app.py file to execute the application.




File Edit Selection View Go Run Terminal Help
• app.py - loki - Visual Studio Code
EXPLORER
app.py 2
nutrition.h5
image.html
0.html
style.css
main.css
imageprediction.html
LOKI
img
Sample_Images
static
css
2.jfif
3.jpg
bg.jpg
bgg2.jpg
doc.jpg
main.css
style.css
js
templates
0.html
image.html
imageprediction.html
!app.spec
app.py 2
app.spec
c.PNG
nutrition.h5
Sample_ImagesTest_Image1.jpg
Sample_ImagesTest_Image2.jpg
Sample_ImagesTest_Image3.jpg
Sample_ImagesTest_Image4.jpg
Sample_ImagesTest_Image5.jpg
OUTLINE
TIMELINE
app.py > ...
return render_template('image.html')
@app.route('/predict',methods=['GET', 'POST'])
def launch():
if request.method=='POST':
f=request.files['file']
basepath=os.path.dirname('C:\\Users\\ELCOT\\Desktop\\loki\\Sample_Images\\')
filepath=os.path.join(basepath+f.filename,)
f.save(filepath)
print(filepath)
img=image.load_img(filepath,target_size=(64,64))
x=image.img_to_array(img)
x=np.expand_dims(x,axis=0)
pred=np.argmax(model.predict(x), axis=1)
print("prediction",pred)
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))
def nutrition(result):
url = "https://calorieninjas.p.rapidapi.com/v1/nutrition"
querystring = {"query": result}
headers = {
"X-RapidAPI-Key": "f2179b0ee2msh46dd220682815e1p1e6122jsnaea9bb30dd96",
"X-RapidAPI-Host": "calorieninjas.p.rapidapi.com"
}
response = requests.request("GET", url, headers=headers, params=querystring)
return response.json()['items']
if __name__ == "__main__":
app.run(debug=True)
Ln 49, Col 1 Spaces: 4 UTF-8 CRLF Python 3.9.13 ('base': conda)
Type here to search
ENG
12:34
18-11-2022