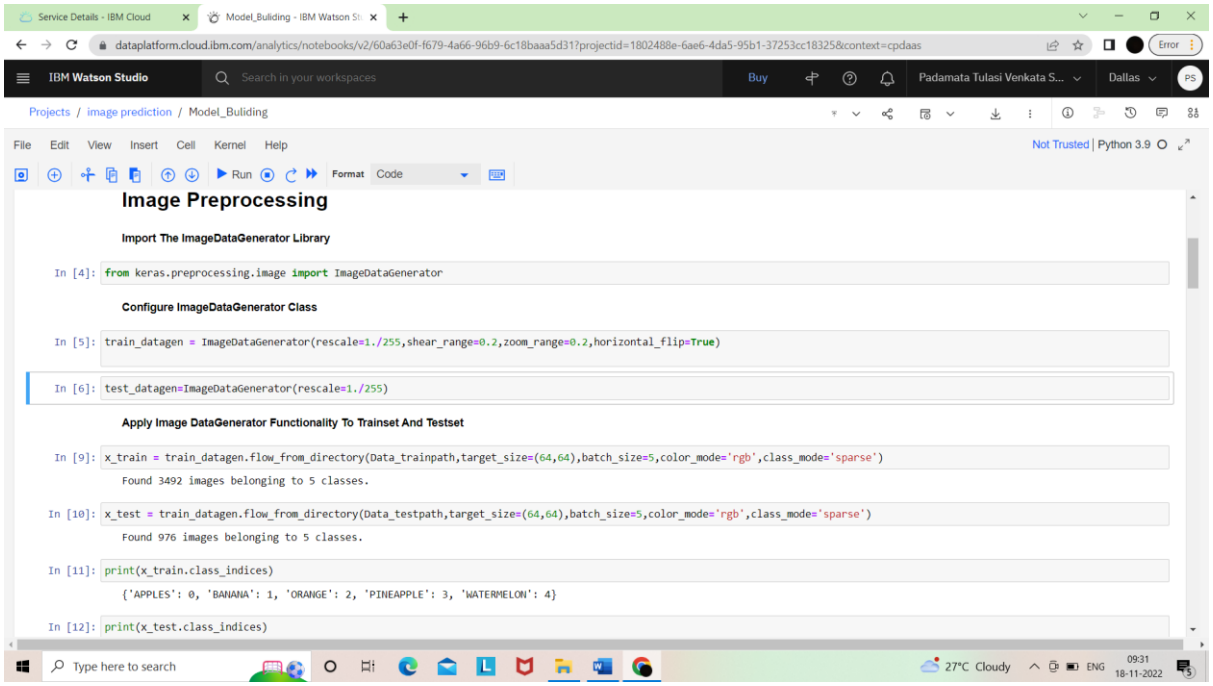
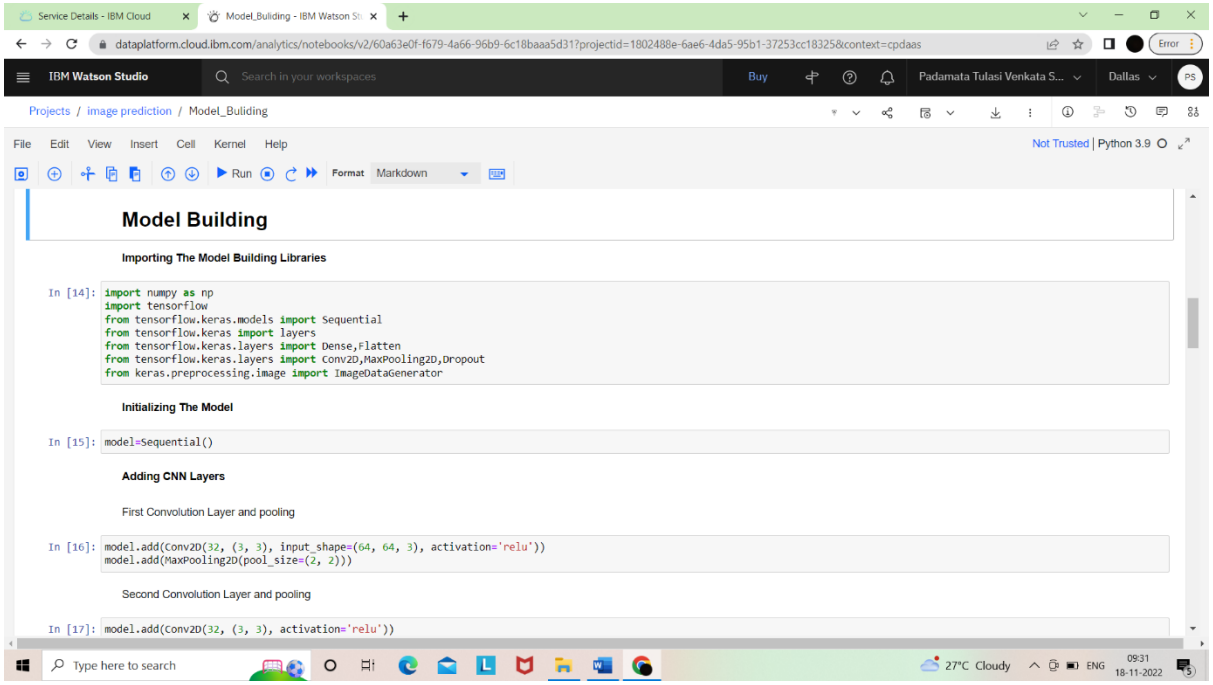
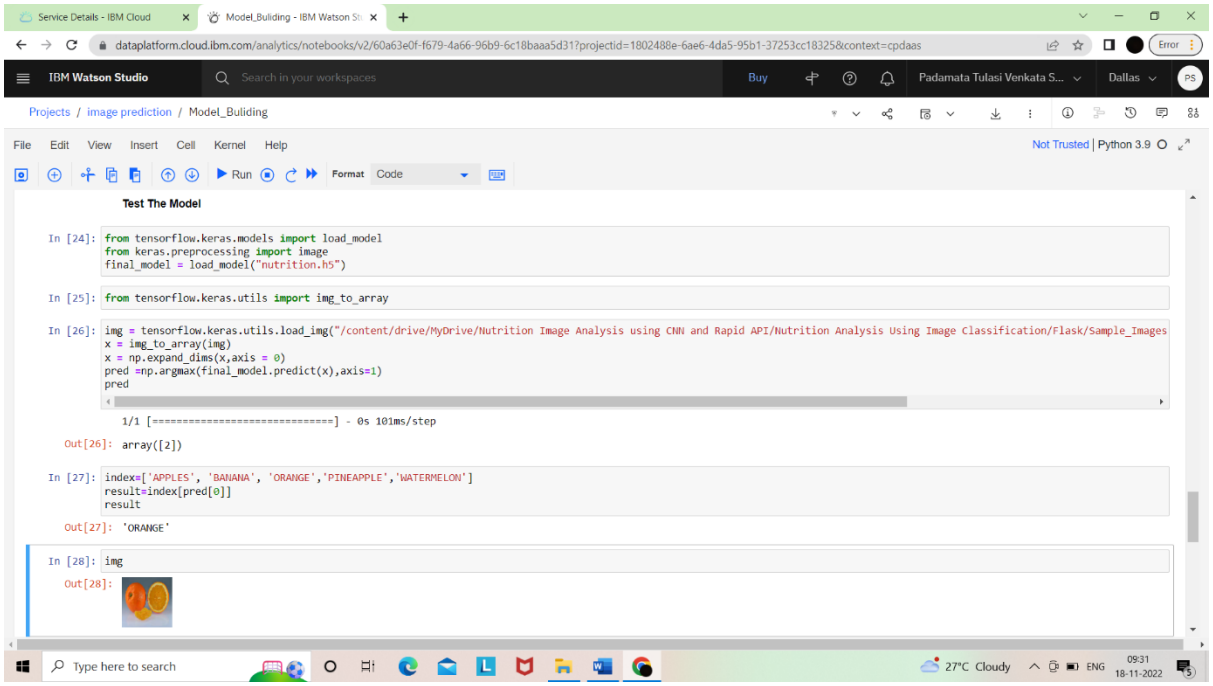
**TOPIC : AI powered nutrition analyzer for fitness enthusiasts**

# Train Model On IBM

Login to ibm cloud and create ibm Watson studio to train the model on ibm. Copy the model building file & paste it in notebook and run the file in notebook.




Service Details - IBM Cloud
Model_Buliding - IBM Watson St
dataplatform.cloud.ibm.com/analytics/notebooks/v2/60a63e0f-f679-4aa6-96b9-6c18baaa5d31?projectid=1802488e-6ae6-4da5-95b1-37253cc18325&context=cpdaas
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Projects / image prediction / Model_Buliding
File Edit View Insert Cell Kernel Help
Not Trusted | Python 3.9
Run
Format
Code
Test The Model
In [24]:
from tensorflow.keras.models import load_model
from keras.preprocessing import image
final_model = load_model("nutrition.h5")
In [25]:
from tensorflow.keras.utils import img_to_array
In [26]:
img = tensorflow.keras.utils.load_img("/content/drive/MyDrive/Nutrition Image Analysis using CNN and Rapid API/Nutrition Analysis Using Image Classification/Flask/Sample_Images
x = img_to_array(img)
x = np.expand_dims(x,axis = 0)
pred =np.argmax(final_model.predict(x),axis=1)
pred
1/1 [==============================] - 0s 101ms/step
Out[26]: array([2])
In [27]:
index=['APPLES', 'BANANA', 'ORANGE','PINEAPPLE','WATERMELON']
result=index[pred[0]]
result
Out[27]: 'ORANGE'
In [28]:
img
Out[28]:
Type here to search
27°C Cloudy
ENG
09:31
18-11-2022