Mount Drive

```
from google.colab import drive
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

Prepare the Dataset

Import library

```
#!pip install tensorflowjs
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting tensorflowjs
  Downloading tensorflowjs-3.18.0-py3-none-any.whl (77 kB)
     |████████████████████████████████| 77 kB 6.0 MB/s
Collecting packaging~=20.9
  Downloading packaging-20.9-py2.py3-none-any.whl (40 kB)
     |████████████████████████████████| 40 kB 7.2 MB/s
Requirement already satisfied: six<2,>=1.12.0 in /usr/local/lib/python3.7/dist-packages (from tensorflowjs) (1.15.0)
Requirement already satisfied: tensorflow-hub<0.13,>=0.7.0 in /usr/local/lib/python3.7/dist-packages (from tensorflowjs) (0.12.0)
Requirement already satisfied: tensorflow<3,>=2.1.0 in /usr/local/lib/python3.7/dist-packages (from tensorflowjs) (2.8.0+zzzcolab20220506162203)
Requirement already satisfied: pyparsing>=2.0.2 in /usr/local/lib/python3.7/dist-packages (from packaging~=20.9->tensorflowjs) (3.0.9)
Requirement already satisfied: keras-preprocessing>=1.1.1 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.1.2)
Requirement already satisfied: absl-py>=0.4.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.0.0)
Requirement already satisfied: termcolor>=1.1.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.1.0)
Requirement already satisfied: tensorboard<2.9,>=2.8 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (2.8.0)
Requirement already satisfied: google-pasta>=0.1.1 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (0.2.0)
Requirement already satisfied: libclang>=9.0.1 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (14.0.1)
Requirement already satisfied: setuptools in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (57.4.0)
Collecting tf-estimator-nightly==2.8.0.dev2021122109
  Downloading tf_estimator_nightly-2.8.0.dev2021122109-py2.py3-none-any.whl (462 kB)
     |████████████████████████████████| 462 kB 71.4 MB/s
Requirement already satisfied: typing-extensions>=3.6.6 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (4.2.0)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (0.26.0)
Requirement already satisfied: astunparse>=1.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.6.3)
Requirement already satisfied: protobuf>=3.9.2 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (3.17.3)
Requirement already satisfied: opt-einsum>=2.3.2 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (3.3.0)
Requirement already satisfied: flatbuffers>=1.12 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (2.0)
Requirement already satisfied: h5py>=2.9.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (3.1.0)
Requirement already satisfied: wrapt>=1.11.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.14.1)
Requirement already satisfied: gast>=0.2.1 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (0.5.3)
Requirement already satisfied: keras<2.9,>=2.8.0rc0 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (2.8.0)
Requirement already satisfied: numpy>=1.20 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.21.6)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in /usr/local/lib/python3.7/dist-packages (from tensorflow<3,>=2.1.0->tensorflowjs) (1.46.1)
Requirement already satisfied: wheel<1.0,>=0.23.0 in /usr/local/lib/python3.7/dist-packages (from astunparse>=1.6.0->tensorflow<3,>=2.1.0->tensorflowjs) (0.37.1)
Requirement already satisfied: cached-property in /usr/local/lib/python3.7/dist-packages (from h5py>=2.9.0->tensorflow<3,>=2.1.0->tensorflowjs) (1.5.2)
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (1.8.1
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (0.4
Requirement already satisfied: werkzeug>=0.11.15 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (1.0.1)
Requirement already satisfied: google-auth<3,>=1.6.3 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (1.35.0)
Requirement already satisfied: requests<3,>=2.21.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (2.23.0)
Requirement already satisfied: markdown>=2.6.8 in /usr/local/lib/python3.7/dist-packages (from tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (3.3.7)
Requirement already satisfied: cachetools<5.0,>=2.0.0 in /usr/local/lib/python3.7/dist-packages (from google-auth<3,>=1.6.3->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tens
Requirement already satisfied: rsa<5,>=3.1.4 in /usr/local/lib/python3.7/dist-packages (from google-auth<3,>=1.6.3->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs)
Requirement already satisfied: pyasn1-modules>=0.2.1 in /usr/local/lib/python3.7/dist-packages (from google-auth<3,>=1.6.3->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tenso
Requirement already satisfied: requests-oauthlib>=0.7.0 in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib<0.5,>=0.4.1->tensorboard<2.9,>=2.8->tensorflow<3,
Requirement already satisfied: importlib-metadata>=4.4 in /usr/local/lib/python3.7/dist-packages (from markdown>=2.6.8->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflo
Requirement already satisfied: zipp>=0.5 in /usr/local/lib/python3.7/dist-packages (from importlib-metadata>=4.4->markdown>=2.6.8->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in /usr/local/lib/python3.7/dist-packages (from pyasn1-modules>=0.2.1->google-auth<3,>=1.6.3->tensorboard<2.9,>=2.8->tenso
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.21.0->tensorboard<2.9,>=2.8->tensorflow<
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.21.0->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowj
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.21.0->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflowjs) (2
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.21.0->tensorboard<2.9,>=2.8->tensorflow<3,>=2.1.0->tensorflow
Requirement already satisfied: oauthlib>=3.0.0 in /usr/local/lib/python3.7/dist-packages (from requests-oauthlib>=0.7.0->google-auth-oauthlib<0.5,>=0.4.1->tensorboard<2.9,>=2
Installing collected packages: tf-estimator-nightly, packaging, tensorflowjs
  Attempting uninstall: packaging
    Found existing installation: packaging 21.3
    Uninstalling packaging-21.3:
      Successfully uninstalled packaging-21.3
ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source of the following dependency conflicts.
datascience 0.10.6 requires folium==0.2.1, but you have folium 0.8.3 which is incompatible.
Successfully installed packaging-20.9 tensorflowjs-3.18.0 tf-estimator-nightly-2.8.0.dev2021122109
WARNING: The following packages were previously imported in this runtime:
  [packaging]
You must restart the runtime in order to use newly installed versions.
RESTART RUNTIME
```

```
import tensorflow as tf
import subprocess
```

Copy dataset from drive

```
cp -R /content/drive/MyDrive/indo_food_datasets/jadi/food-dataset-500 /content/
```

Unzip file

```
import zipfile

# Extract the archive
local_zip = './food-dataset-500.zip'
zip_ref = zipfile.ZipFile(local_zip, 'r')
zip_ref.extractall('tmp/food-dataset')
zip_ref.close()

# local_zip = './rps-test-set.zip'
# zip_ref = zipfile.ZipFile(local_zip, 'r')
# zip_ref.extractall('tmp/rps-test')
# zip_ref.close()
```

Delete unused dataset

```
food_classes = ['soto','pepes']

for food_class in food_classes:
  subprocess.run(["rm", "-rf", "/content/food-dataset-500/test/"+food_class])
  subprocess.run(["rm", "-rf", "/content/food-dataset-500/train/"+food_class])
```

Model

Build Model Layer

```
model = tf.keras.models.Sequential([
    # Note the input shape is the desired size of the image 150x150 with 3 bytes color
    # This is the first convolution
    tf.keras.layers.Conv2D(32, (3,3), activation='relu', input_shape=(150, 150, 3)),
    tf.keras.layers.MaxPooling2D(),
    # The second convolution
    tf.keras.layers.Conv2D(32, (3,3), activation='relu'),
    tf.keras.layers.MaxPooling2D(),
    # The third convolution
    tf.keras.layers.Conv2D(64, (3,3), activation='relu'),
    tf.keras.layers.MaxPooling2D(),
    # The fourth convolution
    # tf.keras.layers.Conv2D(64, (3,3), activation='relu'),
    # tf.keras.layers.MaxPooling2D(2,2),
    # Flatten the results to feed into a DNN
    tf.keras.layers.Flatten(),
    #tf.keras.layers.Dropout(0.5),
    # 512 neuron hidden layer
    tf.keras.layers.Dense(128, activation='relu'),
    tf.keras.layers.Dense(8, activation='softmax')
])

# Print the model summary
model.summary()
```

```
Model: "sequential"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 conv2d (Conv2D)             (None, 148, 148, 32)      896

 max_pooling2d (MaxPooling2D  (None, 74, 74, 32)       0
 )

 conv2d_1 (Conv2D)           (None, 72, 72, 32)        9248

 max_pooling2d_1 (MaxPooling  (None, 36, 36, 32)       0
 2D)

 conv2d_2 (Conv2D)           (None, 34, 34, 64)        18496

 max_pooling2d_2 (MaxPooling  (None, 17, 17, 64)       0
 2D)

 flatten (Flatten)           (None, 18496)             0

 dense (Dense)               (None, 128)               2367616

 dense_1 (Dense)             (None, 8)                 1032

=================================================================
Total params: 2,397,288
Trainable params: 2,397,288
Non-trainable params: 0
_________________________________________________________________
```

Compile Model

```
# Set the training parameters
model.compile(loss = 'categorical_crossentropy', optimizer='adam', metrics=['accuracy'])
```

Prepare the ImageDataGenerator

```
from keras_preprocessing.image import ImageDataGenerator

TRAINING_DIR = "/content/food-dataset-500/train"
training_datagen = ImageDataGenerator(
      rescale = 1./255,
        rotation_range=40,
      width_shift_range=0.2,
      height_shift_range=0.2,
      shear_range=0.2,
      zoom_range=0.2,
      horizontal_flip=True,
      fill_mode='nearest')

VALIDATION_DIR = "/content/food-dataset-500/test"
validation_datagen = ImageDataGenerator(rescale = 1./255)

train_generator = training_datagen.flow_from_directory(
    TRAINING_DIR,
    target_size=(150,150),
    class_mode='categorical',
  batch_size=126
)

validation_generator = validation_datagen.flow_from_directory(
    VALIDATION_DIR,
    target_size=(150,150),
    class_mode='categorical',
  batch_size=126
```

```
  #batch_size=126
)
```

```
Found 3327 images belonging to 8 classes.
Found 800 images belonging to 8 classes.
```

Train the model and evaluate the results

Define Callback

```
class myCallback(tf.keras.callbacks.Callback):
  def on_epoch_end(self, epoch, logs={}):
    '''
    Halts the training after reaching 60 percent accuracy

    Args:
      epoch (integer) - index of epoch (required but unused in the function definition below)
      logs (dict) - metric results from the training epoch
    '''

    # Check accuracy
    # if(logs.get('loss') < 0.4):

    #   # Stop if threshold is met
    #   print("\nLoss is lower than 0.4 so cancelling training!")
    #   self.model.stop_training = True
    if(logs.get('val_accuracy') > 0.75 and logs.get('accuracy') > 0.75):
      # Stop if threshold is met
      print("\nVal_accuracy is higher than 0.8 so cancelling training!")
      self.model.stop_training = True

# Instantiate class
callbacks = myCallback()
```

Train Model

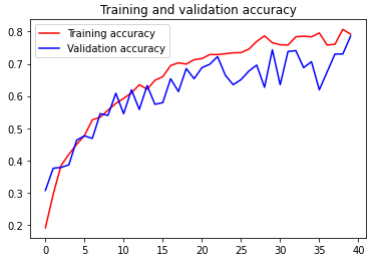
```
history = model.fit(train_generator, epochs=100, validation_data = validation_generator, verbose = 1, validation_steps=3, callbacks=[callbacks])
```

```
Epoch 13/100
27/27 [==============================] - 19s 713ms/step - loss: 0.9979 - accuracy: 0.6351 - val_loss: 1.3147 - val_accuracy: 0.5582
Epoch 14/100
27/27 [==============================] - 19s 720ms/step - loss: 0.9994 - accuracy: 0.6210 - val_loss: 1.0515 - val_accuracy: 0.6323
Epoch 15/100
27/27 [==============================] - 19s 706ms/step - loss: 0.9508 - accuracy: 0.6486 - val_loss: 1.1885 - val_accuracy: 0.5741
Epoch 16/100
27/27 [==============================] - 19s 709ms/step - loss: 0.9366 - accuracy: 0.6598 - val_loss: 1.1367 - val_accuracy: 0.5794
Epoch 17/100
27/27 [==============================] - 19s 709ms/step - loss: 0.8679 - accuracy: 0.6946 - val_loss: 0.9249 - val_accuracy: 0.6534
Epoch 18/100
27/27 [==============================] - 19s 699ms/step - loss: 0.8285 - accuracy: 0.7027 - val_loss: 1.0982 - val_accuracy: 0.6138
Epoch 19/100
27/27 [==============================] - 19s 698ms/step - loss: 0.8431 - accuracy: 0.6988 - val_loss: 0.8082 - val_accuracy: 0.6852
Epoch 20/100
27/27 [==============================] - 19s 700ms/step - loss: 0.8016 - accuracy: 0.7127 - val_loss: 1.0749 - val_accuracy: 0.6534
Epoch 21/100
27/27 [==============================] - 19s 705ms/step - loss: 0.7802 - accuracy: 0.7160 - val_loss: 0.9173 - val_accuracy: 0.6878
Epoch 22/100
27/27 [==============================] - 19s 726ms/step - loss: 0.7298 - accuracy: 0.7286 - val_loss: 0.8706 - val_accuracy: 0.6984
Epoch 23/100
27/27 [==============================] - 19s 707ms/step - loss: 0.7457 - accuracy: 0.7286 - val_loss: 0.8478 - val_accuracy: 0.7222
Epoch 24/100
27/27 [==============================] - 19s 705ms/step - loss: 0.7666 - accuracy: 0.7310 - val_loss: 0.9661 - val_accuracy: 0.6640
Epoch 25/100
27/27 [==============================] - 19s 704ms/step - loss: 0.7291 - accuracy: 0.7340 - val_loss: 0.9301 - val_accuracy: 0.6349
Epoch 26/100
27/27 [==============================] - 19s 706ms/step - loss: 0.7196 - accuracy: 0.7346 - val_loss: 0.9996 - val_accuracy: 0.6508
Epoch 27/100
27/27 [==============================] - 19s 700ms/step - loss: 0.6934 - accuracy: 0.7454 - val_loss: 0.9406 - val_accuracy: 0.6772
Epoch 28/100
27/27 [==============================] - 19s 703ms/step - loss: 0.6529 - accuracy: 0.7695 - val_loss: 0.9207 - val_accuracy: 0.6958
Epoch 29/100
27/27 [==============================] - 19s 704ms/step - loss: 0.6110 - accuracy: 0.7866 - val_loss: 1.1045 - val_accuracy: 0.6270
Epoch 30/100
27/27 [==============================] - 20s 721ms/step - loss: 0.6624 - accuracy: 0.7653 - val_loss: 0.7289 - val_accuracy: 0.7434
Epoch 31/100
27/27 [==============================] - 19s 718ms/step - loss: 0.6641 - accuracy: 0.7589 - val_loss: 1.0379 - val_accuracy: 0.6349
Epoch 32/100
27/27 [==============================] - 19s 714ms/step - loss: 0.6489 - accuracy: 0.7580 - val_loss: 0.8861 - val_accuracy: 0.7381
Epoch 33/100
27/27 [==============================] - 19s 708ms/step - loss: 0.6153 - accuracy: 0.7836 - val_loss: 0.7685 - val_accuracy: 0.7407
Epoch 34/100
27/27 [==============================] - 19s 720ms/step - loss: 0.6041 - accuracy: 0.7854 - val_loss: 0.9471 - val_accuracy: 0.6878
Epoch 35/100
27/27 [==============================] - 19s 706ms/step - loss: 0.6042 - accuracy: 0.7836 - val_loss: 0.8749 - val_accuracy: 0.7063
Epoch 36/100
27/27 [==============================] - 19s 708ms/step - loss: 0.5733 - accuracy: 0.7956 - val_loss: 1.1197 - val_accuracy: 0.6190
Epoch 37/100
27/27 [==============================] - 19s 704ms/step - loss: 0.6675 - accuracy: 0.7580 - val_loss: 0.9553 - val_accuracy: 0.6746
Epoch 38/100
27/27 [==============================] - 19s 703ms/step - loss: 0.6602 - accuracy: 0.7604 - val_loss: 0.7803 - val_accuracy: 0.7302
Epoch 39/100
27/27 [==============================] - 19s 704ms/step - loss: 0.5486 - accuracy: 0.8067 - val_loss: 0.7711 - val_accuracy: 0.7302
Epoch 40/100
27/27 [==============================] - ETA: 0s - loss: 0.5761 - accuracy: 0.7917
Val_accuracy is higher than 0.8 so cancelling training!
27/27 [==============================] - 19s 712ms/step - loss: 0.5761 - accuracy: 0.7917 - val_loss: 0.5787 - val_accuracy: 0.7857
```

Plot the Graph history

```
import matplotlib.pyplot as plt

# Plot the results
acc = history.history['accuracy']
val_acc = history.history['val_accuracy']
loss = history.history['loss']
val_loss = history.history['val_loss']

epochs = range(len(acc))

plt.plot(epochs, acc, 'r', label='Training accuracy')
plt.plot(epochs, val_acc, 'b', label='Validation accuracy')
```

```
plt.plot(epochs, val_acc, 'b', label='Validation accuracy')
plt.title('Training and validation accuracy')
plt.legend(loc=0)
plt.figure()

plt.show()
```




```
<Figure size 432x288 with 0 Axes>
```

Model Prediction

```
## CODE BLOCK FOR NON-SAFARI BROWSERS
## SAFARI USERS: PLEASE SKIP THIS BLOCK AND RUN THE NEXT ONE INSTEAD

import numpy as np
from google.colab import files
from keras.preprocessing import image

uploaded = files.upload()

for fn in uploaded.keys():

  # predicting images
  path = fn
  img = image.load_img(path, target_size=(150, 150))
  x = image.img_to_array(img)
  x = np.expand_dims(x, axis=0)

  images = np.vstack([x])
  classes = model.predict(images, batch_size=10)
  print(fn)
  print(classes)
```

Choose Files 10 files

- **794.png**(image/png) - 8918 bytes, last modified: 5/12/2022 - 100% done
- **841.png**(image/png) - 8078 bytes, last modified: 5/14/2022 - 100% done
- **848.png**(image/png) - 8013 bytes, last modified: 5/14/2022 - 100% done
- **910.png**(image/png) - 11422 bytes, last modified: 5/14/2022 - 100% done
- **913.png**(image/png) - 7160 bytes, last modified: 5/14/2022 - 100% done
- **963.png**(image/png) - 6025 bytes, last modified: 5/14/2022 - 100% done
- **980.png**(image/png) - 7964 bytes, last modified: 5/14/2022 - 100% done
- **986.png**(image/png) - 5151 bytes, last modified: 5/14/2022 - 100% done
- **990.png**(image/png) - 9195 bytes, last modified: 5/14/2022 - 100% done
- **1063.png**(image/png) - 7044 bytes, last modified: 5/14/2022 - 100% done

```
Saving 794.png to 794.png
Saving 841.png to 841.png
Saving 848.png to 848.png
Saving 910.png to 910.png
Saving 913.png to 913.png
Saving 963.png to 963.png
Saving 980.png to 980 (1).png
Saving 986.png to 986 (2).png
Saving 990.png to 990.png
Saving 1063.png to 1063.png
794.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
841.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
848.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
910.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
913.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
963.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
980.png
[[0. 0. 0. 0. 0. 1. 0. 0.]]
986.png
[[0. 0. 0. 0. 0. 0. 0. 1.]]
990.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
1063.png
[[0. 0. 0. 0. 1. 0. 0. 0.]]
```

```
import time
saved_model_path = "./saved_model/{}.h5".format(int(time.time()))

model.save(saved_model_path)
```

```
!tensorflowjs_converter --input_format=keras {saved_model_path} ./saved_model/js/
```

```
!zip -r model.zip saved_model
```

```
       adding: saved_model/ (stored 0%)
       adding: saved_model/.ipynb_checkpoints/ (stored 0%)
       adding: saved_model/1653361775.h5 (deflated 23%)
       adding: saved_model/js/ (stored 0%)
       adding: saved_model/js/model.json (deflated 82%)
       adding: saved_model/js/group1-shard3of3.bin (deflated 7%)
       adding: saved_model/js/group1-shard2of3.bin (deflated 7%)
       adding: saved_model/js/group1-shard1of3.bin (deflated 7%)
```

Finish

✓ 1s completed at 10:14 AM