



## Object Detection

Machine-learned object detection models can be extremely useful. They are faster and often more reliable than traditional computer vision models. Additionally, we can use pretrained model weights to cut down immensely on training time.

Here's an example of what an object detector might output:

**duckietown object detection results**



In this exercise, you will create your own Duckietown object detection dataset. You will learn about the general structure such a dataset should follow. You will train the object detection model on that dataset ([in a subsequent notebook](#)). Finally, you will integrate the model into a ROS node and test the integration ([in the last notebook](#)), so that your

Duckiebot knows how to recognize duckie pedestrians (and thus avoid them). You can test your object detector in simulation and on your real Duckiebot.

## Steps:

1. Setup
2. Investigation
3. Data collection
4. Training
5. Integration

## 1. Setup

First, we need some global variables. These allow you to change the directory where we store the data you will need. You can also change the image size to reflect what your final model uses, but you can worry about that later.

```
In [ ]: %load_ext autoreload
        %autoreload 2
```

```
In [ ]: DATASET_DIR="/code/object-detection/assets/duckietown_object_detection_data"
        IMAGE_SIZE = 416
        # this is the percentage of real data that will go into the training set (as
        REAL_TRAIN_TEST_SPLIT_PERCENTAGE = 0.8
```

While you will build your own dataset with simulated images in part 2, it would be unreasonable to ask you to build your own dataset of real images. Run the cell below to download a dataset of pre-labelled real images.

```
In [ ]: from utils.misc import runp

# download dataset
if not os.path.exists(DATASET_DIR):
    runp(f"rm -rf {DATASET_DIR}/*")
    runp(f"mkdir -p {DATASET_DIR}/images")
    runp(f"mkdir -p {DATASET_DIR}/labels")
    runp(f"mkdir -p {DATASET_DIR}/train/images")
    runp(f"mkdir -p {DATASET_DIR}/train/labels")
    runp(f"mkdir -p {DATASET_DIR}/val/images")
    runp(f"mkdir -p {DATASET_DIR}/val/labels")
else:
    print("Folder structure already exists!")

# download dataset
if not os.path.exists(f"{DATASET_DIR}/frames"):
    !wget -O /tmp/dataset.zip https://duckietown-public-storage.s3.amazonaws.com/dataset.zip
    runp(f"unzip -q /tmp/dataset.zip -d $(dirname {DATASET_DIR})")
    runp(f"rm /tmp/dataset.zip")
```

```
else:
    print("Dataset already downloaded!")
```

```
rm -rf /code/object-detection/assets/duckietown_object_detection_dataset/*
mkdir -p /code/object-detection/assets/duckietown_object_detection_dataset/i
images
mkdir -p /code/object-detection/assets/duckietown_object_detection_dataset/l
abels
mkdir -p /code/object-detection/assets/duckietown_object_detection_dataset/t
rain/images
mkdir -p /code/object-detection/assets/duckietown_object_detection_dataset/t
rain/labels
mkdir -p /code/object-detection/assets/duckietown_object_detection_dataset/v
al/images
mkdir -p /code/object-detection/assets/duckietown_object_detection_dataset/v
al/labels
--2023-12-31 16:56:43-- https://duckietown-public-storage.s3.amazonaws.com/
assets/mooc/2022/duckietown_object_detection_dataset.zip
Resolving duckietown-public-storage.s3.amazonaws.com (duckietown-public-stor
age.s3.amazonaws.com)... 52.217.142.105, 3.5.27.178, 54.231.226.153, ...
Connecting to duckietown-public-storage.s3.amazonaws.com (duckietown-public-
storage.s3.amazonaws.com)|52.217.142.105|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 703630821 (671M) [binary/octet-stream]
Saving to: '/tmp/dataset.zip'
```

```
/tmp/dataset.zip 100%[=====>] 671.03M 18.2MB/s in 35s
```

```
2023-12-31 16:57:19 (19.1 MB/s) - '/tmp/dataset.zip' saved [703630821/703630
821]
```

```
unzip -q /tmp/dataset.zip -d $(dirname /code/object-detection/assets/duckiet
own_object_detection_dataset)
rm /tmp/dataset.zip
```

These real-world images are not the right size. Run the cell bellow to resize them (and resize the associated bounding boxes accordingly).

```
In [ ]: import json
import os
import cv2
import numpy as np
from tqdm import tqdm
from utils.misc import xminyminxmaxymax2xywfnormalized, train_test_split, ma

with open(f"{DATASET_DIR}/annotation/final_anns.json") as anns:
    annotations = json.load(anns)
```

```
In [ ]: npz_index = 0

all_image_names = []

def save_img(img, boxes, classes):
    global npz_index
    cv2.imwrite(f"{DATASET_DIR}/images/real_{npz_index}.jpg", img)
```

```

with open(f"{DATASET_DIR}/labels/real_{npz_index}.txt", "w") as f:
    for i in range(len(boxes)):
        f.write(f"{classes[i]} "+" ".join(map(str,boxes[i]))+"\n")
    npz_index += 1
    all_image_names.append(f"real_{npz_index}")

filenames = tqdm(os.listdir(f"{DATASET_DIR}/frames"))
for filename in filenames:
    img = cv2.imread(f"{DATASET_DIR}/frames/{filename}")

    orig_y, orig_x = img.shape[0], img.shape[1]
    scale_y, scale_x = IMAGE_SIZE/orig_y, IMAGE_SIZE/orig_x

    img = cv2.resize(img, (IMAGE_SIZE,IMAGE_SIZE))

    boxes = []
    classes = []

    if filename not in annotations:
        continue

    for detection in annotations[filename]:
        box = detection["bbox"]
        label = detection["cat_name"]

        if label not in ["duckie", "cone"]:
            continue

        orig_x_min, orig_y_min, orig_w, orig_h = box

        x_min = int(np.round(orig_x_min * scale_x))
        y_min = int(np.round(orig_y_min * scale_y))
        x_max = x_min + int(np.round(orig_w * scale_x))
        y_max = y_min + int(np.round(orig_h * scale_y))

        boxes.append([x_min, y_min, x_max, y_max])
        classes.append(1 if label == "duckie" else 2)

    if len(boxes) == 0:
        continue

    boxes = np.array([xminyminxmaxymax2xywfnormalized(box, IMAGE_SIZE) for b
    classes = np.array(classes)-1

    save_img(img, boxes, classes)

train_test_split(all_image_names, REAL_TRAIN_TEST_SPLIT_PERCENTAGE, DATASET_

```

100%|██████████| 1963/1963 [00:14<00:00, 132.49it/s]

[illegible]

[illegible]

'real\_716', 'real\_717', 'real\_718', 'real\_719', 'real\_720', 'real\_721', 'real\_722', 'real\_723', 'real\_724', 'real\_725', 'real\_726', 'real\_727', 'real\_728', 'real\_729', 'real\_730', 'real\_731', 'real\_732', 'real\_733', 'real\_734', 'real\_735', 'real\_736', 'real\_737', 'real\_738', 'real\_739', 'real\_740', 'real\_741', 'real\_742', 'real\_743', 'real\_744', 'real\_745', 'real\_746', 'real\_747', 'real\_748', 'real\_749', 'real\_750', 'real\_751', 'real\_752', 'real\_753', 'real\_754', 'real\_755', 'real\_756', 'real\_757', 'real\_758', 'real\_759', 'real\_760', 'real\_761', 'real\_762', 'real\_763', 'real\_764', 'real\_765', 'real\_766', 'real\_767', 'real\_768', 'real\_769', 'real\_770', 'real\_771', 'real\_772', 'real\_773', 'real\_774', 'real\_775', 'real\_776', 'real\_777', 'real\_778', 'real\_779', 'real\_780', 'real\_781', 'real\_782', 'real\_783', 'real\_784', 'real\_785', 'real\_786', 'real\_787', 'real\_788', 'real\_789', 'real\_790', 'real\_791', 'real\_792', 'real\_793', 'real\_794', 'real\_795', 'real\_796', 'real\_797', 'real\_798', 'real\_799', 'real\_800', 'real\_801', 'real\_802', 'real\_803', 'real\_804', 'real\_805', 'real\_806', 'real\_807', 'real\_808', 'real\_809', 'real\_810', 'real\_811', 'real\_812', 'real\_813', 'real\_814', 'real\_815', 'real\_816', 'real\_817', 'real\_818', 'real\_819', 'real\_820', 'real\_821', 'real\_822', 'real\_823', 'real\_824', 'real\_825', 'real\_826', 'real\_827', 'real\_828', 'real\_829', 'real\_830', 'real\_831', 'real\_832', 'real\_833', 'real\_834', 'real\_835', 'real\_836', 'real\_837', 'real\_838', 'real\_839', 'real\_840', 'real\_841', 'real\_842', 'real\_843', 'real\_844', 'real\_845', 'real\_846', 'real\_847', 'real\_848', 'real\_849', 'real\_850', 'real\_851', 'real\_852', 'real\_853', 'real\_854', 'real\_855', 'real\_856', 'real\_857', 'real\_858', 'real\_859', 'real\_860', 'real\_861', 'real\_862', 'real\_863', 'real\_864', 'real\_865', 'real\_866', 'real\_867', 'real\_868', 'real\_869', 'real\_870', 'real\_871', 'real\_872', 'real\_873', 'real\_874', 'real\_875', 'real\_876', 'real\_877', 'real\_878', 'real\_879', 'real\_880', 'real\_881', 'real\_882', 'real\_883', 'real\_884', 'real\_885', 'real\_886', 'real\_887', 'real\_888', 'real\_889', 'real\_890', 'real\_891', 'real\_892', 'real\_893', 'real\_894', 'real\_895', 'real\_896', 'real\_897', 'real\_898', 'real\_899', 'real\_900', 'real\_901', 'real\_902', 'real\_903', 'real\_904', 'real\_905', 'real\_906', 'real\_907', 'real\_908', 'real\_909', 'real\_910', 'real\_911', 'real\_912', 'real\_913', 'real\_914', 'real\_915', 'real\_916', 'real\_917', 'real\_918', 'real\_919', 'real\_920', 'real\_921', 'real\_922', 'real\_923', 'real\_924', 'real\_925', 'real\_926', 'real\_927', 'real\_928', 'real\_929', 'real\_930', 'real\_931', 'real\_932', 'real\_933', 'real\_934', 'real\_935', 'real\_936', 'real\_937', 'real\_938', 'real\_939', 'real\_940', 'real\_941', 'real\_942', 'real\_943', 'real\_944', 'real\_945', 'real\_946', 'real\_947', 'real\_948', 'real\_949', 'real\_950', 'real\_951', 'real\_952', 'real\_953', 'real\_954', 'real\_955', 'real\_956', 'real\_957', 'real\_958', 'real\_959', 'real\_960', 'real\_961', 'real\_962', 'real\_963', 'real\_964', 'real\_965', 'real\_966', 'real\_967', 'real\_968', 'real\_969', 'real\_970', 'real\_971', 'real\_972', 'real\_973', 'real\_974', 'real\_975', 'real\_976', 'real\_977', 'real\_978', 'real\_979', 'real\_980', 'real\_981', 'real\_982', 'real\_983', 'real\_984', 'real\_985', 'real\_986', 'real\_987', 'real\_988', 'real\_989', 'real\_990', 'real\_991', 'real\_992', 'real\_993', 'real\_994', 'real\_995', 'real\_996', 'real\_997', 'real\_998', 'real\_999', 'real\_1000', 'real\_1001', 'real\_1002', 'real\_1003', 'real\_1004', 'real\_1005', 'real\_1006', 'real\_1007']

DATASET DIRECTORY /code/object-detection/assets/duckietown\_object\_detection\_dataset

MOVING IMG NAMED real\_269

mv /code/object-detection/assets/duckietown\_object\_detection\_dataset/images/real\_269.jpg /code/object-detection/assets/duckietown\_object\_detection\_dataset/train/images/real\_269.jpg

mv /code/object-detection/assets/duckietown\_object\_detection\_dataset/labels/real\_269.txt /code/object-detection/assets/duckietown\_object\_detection\_dataset/train/labels/real\_269.txt

```
MOVING IMG NAMED real_253
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_253.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_253.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_253.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_253.txt
MOVING IMG NAMED real_752
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_752.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_752.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_752.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_752.txt
MOVING IMG NAMED real_1004
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_1004.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1004.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_1004.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1004.txt
MOVING IMG NAMED real_422
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_422.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_422.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_422.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_422.txt
MOVING IMG NAMED real_785
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_785.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_785.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_785.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_785.txt
MOVING IMG NAMED real_140
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_140.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_140.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_140.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_140.txt
MOVING IMG NAMED real_66
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_66.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_66.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_66.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_66.txt
MOVING IMG NAMED real_558
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_558.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_558.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_558.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_558.txt
```



```
MOVING IMG NAMED real_234
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_234.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_234.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_234.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_234.txt
MOVING IMG NAMED real_425
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_425.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_425.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_425.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_425.txt
MOVING IMG NAMED real_97
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_97.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_97.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_97.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_97.txt
MOVING IMG NAMED real_536
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_536.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_536.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_536.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_536.txt
MOVING IMG NAMED real_416
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_416.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_416.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_416.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_416.txt
MOVING IMG NAMED real_702
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_702.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_702.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_702.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_702.txt
MOVING IMG NAMED real_461
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_461.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_461.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_461.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_461.txt
MOVING IMG NAMED real_859
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_859.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_859.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_859.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_859.txt
```

```
MOVING IMG NAMED real_843
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_843.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_843.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_843.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_843.txt
MOVING IMG NAMED real_514
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_514.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_514.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_514.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_514.txt
MOVING IMG NAMED real_171
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_171.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_171.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_171.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_171.txt
MOVING IMG NAMED real_933
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_933.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_933.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_933.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_933.txt
MOVING IMG NAMED real_417
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_417.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_417.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_417.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_417.txt
MOVING IMG NAMED real_85
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_85.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_85.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_85.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_85.txt
MOVING IMG NAMED real_351
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_351.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_351.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_351.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_351.txt
MOVING IMG NAMED real_582
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_582.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_582.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_582.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_582.txt
```

```
MOVING IMG NAMED real_202
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_202.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_202.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_202.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_202.txt
MOVING IMG NAMED real_876
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_876.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_876.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_876.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_876.txt
MOVING IMG NAMED real_448
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_448.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_448.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_448.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_448.txt
MOVING IMG NAMED real_189
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_189.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_189.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_189.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_189.txt
MOVING IMG NAMED real_92
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_92.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_92.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_92.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_92.txt
MOVING IMG NAMED real_944
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_944.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_944.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_944.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_944.txt
MOVING IMG NAMED real_721
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_721.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_721.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_721.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_721.txt
MOVING IMG NAMED real_576
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_576.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_576.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_576.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_576.txt
```

```
MOVING IMG NAMED real_1001
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_1001.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1001.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_1001.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1001.txt
MOVING IMG NAMED real_743
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_743.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_743.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_743.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_743.txt
MOVING IMG NAMED real_518
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_518.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_518.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_518.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_518.txt
MOVING IMG NAMED real_139
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_139.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_139.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_139.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_139.txt
MOVING IMG NAMED real_940
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_940.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_940.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_940.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_940.txt
MOVING IMG NAMED real_539
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_539.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_539.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_539.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_539.txt
MOVING IMG NAMED real_293
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_293.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_293.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_293.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_293.txt
MOVING IMG NAMED real_22
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_22.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_22.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_22.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_22.txt
```

[illegible]

```
MOVING IMG NAMED real_523
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_523.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_523.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_523.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_523.txt
MOVING IMG NAMED real_771
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_771.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_771.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_771.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_771.txt
MOVING IMG NAMED real_550
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_550.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_550.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_550.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_550.txt
MOVING IMG NAMED real_344
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_344.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_344.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_344.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_344.txt
MOVING IMG NAMED real_466
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_466.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_466.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_466.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_466.txt
MOVING IMG NAMED real_4
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_4.jpg /code/object-detection/assets/duckietown_object_detection_data
t/train/images/real_4.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_4.txt /code/object-detection/assets/duckietown_object_detection_data
t/train/labels/real_4.txt
MOVING IMG NAMED real_329
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_329.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_329.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_329.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_329.txt
MOVING IMG NAMED real_1006
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_1006.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1006.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_1006.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1006.txt
```

[illegible]

[illegible]



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MOVING IMG NAMED real_609
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_609.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_609.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_609.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_609.txt
MOVING IMG NAMED real_883
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_883.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_883.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_883.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_883.txt
MOVING IMG NAMED real_15
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_15.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_15.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_15.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_15.txt
MOVING IMG NAMED real_457
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_457.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_457.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_457.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_457.txt
MOVING IMG NAMED real_123
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_123.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_123.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_123.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_123.txt
MOVING IMG NAMED real_841
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_841.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_841.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_841.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_841.txt
MOVING IMG NAMED real_832
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_832.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_832.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_832.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_832.txt
MOVING IMG NAMED real_892
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_892.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_892.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_892.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_892.txt
```

```
MOVING IMG NAMED real_475
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_475.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_475.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_475.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_475.txt
MOVING IMG NAMED real_217
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_217.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_217.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_217.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_217.txt
MOVING IMG NAMED real_309
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_309.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_309.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_309.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_309.txt
MOVING IMG NAMED real_281
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_281.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_281.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_281.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_281.txt
MOVING IMG NAMED real_693
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_693.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_693.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_693.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_693.txt
MOVING IMG NAMED real_786
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_786.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_786.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_786.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_786.txt
MOVING IMG NAMED real_1002
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_1002.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1002.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_1002.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1002.txt
MOVING IMG NAMED real_121
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/real_121.jpg /code/object-detection/assets/duckietown_object_detection_data
et/train/images/real_121.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/real_121.txt /code/object-detection/assets/duckietown_object_detection_data
et/train/labels/real_121.txt
```

```
MOVING IMG NAMED real_920
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_920.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_920.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_920.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_920.txt
MOVING IMG NAMED real_415
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_415.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_415.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_415.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_415.txt
MOVING IMG NAMED real_950
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_950.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_950.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_950.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_950.txt
MOVING IMG NAMED real_488
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_488.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_488.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_488.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_488.txt
MOVING IMG NAMED real_991
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_991.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_991.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_991.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_991.txt
MOVING IMG NAMED real_669
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_669.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_669.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_669.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_669.txt
MOVING IMG NAMED real_16
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_16.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_16.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_16.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_16.txt
MOVING IMG NAMED real_661
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_661.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_661.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_661.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_661.txt
```

[illegible]

```
MOVING IMG NAMED real_418
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_418.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_418.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_418.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_418.txt
MOVING IMG NAMED real_316
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_316.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_316.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_316.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_316.txt
MOVING IMG NAMED real_103
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_103.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_103.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_103.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_103.txt
MOVING IMG NAMED real_75
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_75.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_75.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_75.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_75.txt
MOVING IMG NAMED real_574
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_574.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_574.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_574.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_574.txt
MOVING IMG NAMED real_567
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_567.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_567.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_567.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_567.txt
MOVING IMG NAMED real_891
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_891.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_891.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_891.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_891.txt
MOVING IMG NAMED real_93
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_93.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_93.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_93.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_93.txt
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[illegible]

[illegible]

[illegible]



[illegible]

```
MOVING IMG NAMED real_765
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_765.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_765.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_765.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_765.txt
MOVING IMG NAMED real_53
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_53.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_53.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_53.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_53.txt
MOVING IMG NAMED real_535
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_535.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_535.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_535.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_535.txt
MOVING IMG NAMED real_652
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_652.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_652.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_652.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_652.txt
MOVING IMG NAMED real_715
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_715.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_715.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_715.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_715.txt
MOVING IMG NAMED real_459
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_459.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_459.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_459.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_459.txt
MOVING IMG NAMED real_242
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_242.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_242.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_242.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_242.txt
MOVING IMG NAMED real_657
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_657.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_657.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_657.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_657.txt
```

```
MOVING IMG NAMED real_18
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_18.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_18.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_18.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_18.txt
MOVING IMG NAMED real_82
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_82.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_82.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_82.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_82.txt
MOVING IMG NAMED real_667
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_667.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_667.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_667.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_667.txt
MOVING IMG NAMED real_365
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_365.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_365.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_365.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_365.txt
MOVING IMG NAMED real_875
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_875.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_875.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_875.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_875.txt
MOVING IMG NAMED real_396
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_396.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_396.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_396.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_396.txt
MOVING IMG NAMED real_152
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_152.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_152.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_152.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_152.txt
MOVING IMG NAMED real_584
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_584.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_584.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_584.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_584.txt
```

[illegible]

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MOVING IMG NAMED real_579
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_579.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_579.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_579.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_579.txt
MOVING IMG NAMED real_32
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_32.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_32.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_32.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_32.txt
MOVING IMG NAMED real_639
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_639.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_639.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_639.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_639.txt
MOVING IMG NAMED real_681
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_681.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_681.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_681.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_681.txt
MOVING IMG NAMED real_870
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_870.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_870.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_870.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_870.txt
MOVING IMG NAMED real_833
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_833.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_833.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_833.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_833.txt
MOVING IMG NAMED real_436
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_436.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_436.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_436.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_436.txt
MOVING IMG NAMED real_962
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_962.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_962.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_962.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_962.txt
```

```
MOVING IMG NAMED real_849
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_849.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_849.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_849.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_849.txt
MOVING IMG NAMED real_401
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_401.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_401.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_401.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_401.txt
MOVING IMG NAMED real_174
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_174.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_174.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_174.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_174.txt
MOVING IMG NAMED real_836
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_836.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_836.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_836.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_836.txt
MOVING IMG NAMED real_203
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_203.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_203.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_203.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_203.txt
MOVING IMG NAMED real_7
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_7.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_7.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_7.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_7.txt
MOVING IMG NAMED real_625
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_625.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_625.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_625.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_625.txt
MOVING IMG NAMED real_196
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_196.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_196.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_196.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_196.txt
```

```
MOVING IMG NAMED real_114
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_114.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_114.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_114.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_114.txt
MOVING IMG NAMED real_69
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_69.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_69.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_69.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_69.txt
MOVING IMG NAMED real_809
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_809.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_809.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_809.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_809.txt
MOVING IMG NAMED real_449
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_449.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_449.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_449.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_449.txt
MOVING IMG NAMED real_599
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_599.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_599.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_599.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_599.txt
MOVING IMG NAMED real_561
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_561.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_561.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_561.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_561.txt
MOVING IMG NAMED real_101
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_101.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_101.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_101.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_101.txt
MOVING IMG NAMED real_796
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_796.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_796.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_796.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_796.txt
```

```
MOVING IMG NAMED real_308
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_308.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_308.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_308.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_308.txt
MOVING IMG NAMED real_992
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_992.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_992.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_992.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_992.txt
MOVING IMG NAMED real_313
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_313.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_313.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_313.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_313.txt
MOVING IMG NAMED real_508
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_508.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_508.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_508.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_508.txt
MOVING IMG NAMED real_497
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_497.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_497.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_497.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_497.txt
MOVING IMG NAMED real_1007
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_1007.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1007.jpg
mv: cannot stat '/code/object-detection/assets/duckietown_object_detection_d
ataset/images/real_1007.jpg': No such file or directory

mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_1007.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1007.txt
mv: cannot stat '/code/object-detection/assets/duckietown_object_detection_d
ataset/labels/real_1007.txt': No such file or directory

MOVING IMG NAMED real_906
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_906.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_906.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_906.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_906.txt
MOVING IMG NAMED real_125
```



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mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_125.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_125.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_125.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_125.txt
MOVING IMG NAMED real_453
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_453.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_453.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_453.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_453.txt
MOVING IMG NAMED real_150
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_150.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_150.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_150.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_150.txt
MOVING IMG NAMED real_193
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_193.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_193.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_193.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_193.txt
MOVING IMG NAMED real_80
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_80.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_80.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_80.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_80.txt
MOVING IMG NAMED real_469
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_469.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_469.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_469.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_469.txt
MOVING IMG NAMED real_8
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_8.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_8.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_8.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_8.txt
MOVING IMG NAMED real_571
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_571.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_571.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_571.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_571.txt
MOVING IMG NAMED real_305
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_672.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_672.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_672.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_672.txt
MOVING IMG NAMED real_411
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_411.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_411.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_411.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_411.txt
MOVING IMG NAMED real_629
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_629.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_629.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_629.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_629.txt
MOVING IMG NAMED real_20
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_20.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_20.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_20.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_20.txt
MOVING IMG NAMED real_31
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_31.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_31.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_31.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_31.txt
MOVING IMG NAMED real_684
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_684.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_684.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_684.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_684.txt
MOVING IMG NAMED real_186
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_186.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_186.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_186.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_186.txt
MOVING IMG NAMED real_819
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_819.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_819.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_819.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_819.txt
MOVING IMG NAMED real_664
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```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_664.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_664.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_664.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_664.txt
MOVING IMG NAMED real_343
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_343.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_343.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_343.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_343.txt
MOVING IMG NAMED real_873
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_873.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_873.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_873.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_873.txt
MOVING IMG NAMED real_345
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_345.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_345.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_345.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_345.txt
MOVING IMG NAMED real_971
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_971.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_971.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_971.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_971.txt
MOVING IMG NAMED real_89
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_89.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_89.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_89.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_89.txt
MOVING IMG NAMED real_996
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_996.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_996.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_996.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_996.txt
MOVING IMG NAMED real_789
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_789.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_789.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_789.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_789.txt
MOVING IMG NAMED real_700
```

[illegible]

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_616.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_616.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_616.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_616.txt
MOVING IMG NAMED real_86
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_86.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_86.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_86.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_86.txt
MOVING IMG NAMED real_301
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_301.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_301.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_301.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_301.txt
MOVING IMG NAMED real_808
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_808.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_808.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_808.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_808.txt
MOVING IMG NAMED real_338
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_338.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_338.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_338.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_338.txt
MOVING IMG NAMED real_993
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_993.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_993.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_993.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_993.txt
MOVING IMG NAMED real_483
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_483.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_483.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_483.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_483.txt
MOVING IMG NAMED real_774
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_774.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_774.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_774.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_774.txt
MOVING IMG NAMED real_96
```



[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_1.jpg /code/object-detection/assets/duckietown_object_detection_datase  
t/train/images/real_1.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_1.txt /code/object-detection/assets/duckietown_object_detection_datase  
t/train/labels/real_1.txt  
MOVING IMG NAMED real_137  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_137.jpg /code/object-detection/assets/duckietown_object_detection_datas  
et/train/images/real_137.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_137.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_137.txt  
MOVING IMG NAMED real_467  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_467.jpg /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/images/real_467.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_467.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_467.txt  
MOVING IMG NAMED real_383  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_383.jpg /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/images/real_383.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_383.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_383.txt  
MOVING IMG NAMED real_266  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_266.jpg /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/images/real_266.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_266.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_266.txt  
MOVING IMG NAMED real_776  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_776.jpg /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/images/real_776.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_776.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_776.txt  
MOVING IMG NAMED real_530  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_530.jpg /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/images/real_530.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_530.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_530.txt  
MOVING IMG NAMED real_146  
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/  
real_146.jpg /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/images/real_146.jpg  
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/  
real_146.txt /code/object-detection/assets/duckietown_object_detectiondatas  
et/train/labels/real_146.txt  
MOVING IMG NAMED real_302
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_952.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_952.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_952.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_952.txt
MOVING IMG NAMED real_364
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_364.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_364.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_364.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_364.txt
MOVING IMG NAMED real_589
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_589.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_589.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_589.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_589.txt
MOVING IMG NAMED real_298
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_298.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_298.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_298.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_298.txt
MOVING IMG NAMED real_1000
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_1000.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1000.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_1000.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1000.txt
MOVING IMG NAMED real_119
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_119.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_119.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_119.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_119.txt
MOVING IMG NAMED real_67
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_67.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_67.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_67.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_67.txt
MOVING IMG NAMED real_951
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_951.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_951.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_951.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_951.txt
MOVING IMG NAMED real_211
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_211.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_211.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_211.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_211.txt
MOVING IMG NAMED real_844
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_844.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_844.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_844.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_844.txt
MOVING IMG NAMED real_730
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_730.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_730.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_730.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_730.txt
MOVING IMG NAMED real_797
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_797.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_797.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_797.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_797.txt
MOVING IMG NAMED real_896
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_896.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_896.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_896.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_896.txt
MOVING IMG NAMED real_357
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_357.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_357.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_357.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_357.txt
MOVING IMG NAMED real_35
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_35.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_35.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_35.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_35.txt
MOVING IMG NAMED real_11
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_11.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_11.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_11.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_11.txt
MOVING IMG NAMED real_813
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_219.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_219.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_219.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_219.txt
MOVING IMG NAMED real_397
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_397.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_397.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_397.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_397.txt
MOVING IMG NAMED real_250
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_250.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_250.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_250.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_250.txt
MOVING IMG NAMED real_45
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_45.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_45.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_45.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_45.txt
MOVING IMG NAMED real_723
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_723.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_723.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_723.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_723.txt
MOVING IMG NAMED real_76
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_76.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_76.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_76.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_76.txt
MOVING IMG NAMED real_926
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_926.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_926.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_926.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_926.txt
MOVING IMG NAMED real_126
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_126.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_126.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_126.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_126.txt
MOVING IMG NAMED real_999
```

[illegible]



[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_220.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_220.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_220.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_220.txt
MOVING IMG NAMED real_969
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_969.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_969.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_969.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_969.txt
MOVING IMG NAMED real_393
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_393.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_393.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_393.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_393.txt
MOVING IMG NAMED real_446
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_446.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_446.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_446.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_446.txt
MOVING IMG NAMED real_209
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_209.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_209.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_209.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_209.txt
MOVING IMG NAMED real_640
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_640.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_640.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_640.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_640.txt
MOVING IMG NAMED real_57
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_57.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_57.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_57.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_57.txt
MOVING IMG NAMED real_257
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_257.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_257.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_257.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_257.txt
MOVING IMG NAMED real_542
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_542.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_542.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_542.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_542.txt
MOVING IMG NAMED real_371
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_371.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_371.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_371.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_371.txt
MOVING IMG NAMED real_102
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_102.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_102.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_102.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_102.txt
MOVING IMG NAMED real_304
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_304.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_304.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_304.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_304.txt
MOVING IMG NAMED real_91
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_91.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_91.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_91.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_91.txt
MOVING IMG NAMED real_831
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_831.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_831.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_831.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_831.txt
MOVING IMG NAMED real_286
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_286.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_286.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_286.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_286.txt
MOVING IMG NAMED real_512
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_512.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_512.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_512.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_512.txt
MOVING IMG NAMED real_534
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_534.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_534.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_534.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_534.txt
MOVING IMG NAMED real_908
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_908.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_908.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_908.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_908.txt
MOVING IMG NAMED real_559
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_559.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_559.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_559.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_559.txt
MOVING IMG NAMED real_25
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_25.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_25.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_25.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_25.txt
MOVING IMG NAMED real_658
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_658.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_658.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_658.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_658.txt
MOVING IMG NAMED real_956
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_956.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_956.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_956.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_956.txt
MOVING IMG NAMED real_377
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_377.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_377.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_377.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_377.txt
MOVING IMG NAMED real_958
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_958.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_958.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_958.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_958.txt
MOVING IMG NAMED real_545
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_509.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_509.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_509.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_509.txt
MOVING IMG NAMED real_321
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_321.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_321.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_321.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_321.txt
MOVING IMG NAMED real_215
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_215.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_215.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_215.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_215.txt
MOVING IMG NAMED real_783
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_783.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_783.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_783.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_783.txt
MOVING IMG NAMED real_19
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_19.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_19.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_19.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_19.txt
MOVING IMG NAMED real_703
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_703.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_703.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_703.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_703.txt
MOVING IMG NAMED real_65
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_65.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_65.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_65.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_65.txt
MOVING IMG NAMED real_229
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_229.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_229.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_229.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_229.txt
MOVING IMG NAMED real_141
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_194.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_194.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_194.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_194.txt
MOVING IMG NAMED real_553
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_553.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_553.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_553.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_553.txt
MOVING IMG NAMED real_163
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_163.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_163.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_163.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_163.txt
MOVING IMG NAMED real_185
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_185.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_185.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_185.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_185.txt
MOVING IMG NAMED real_682
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_682.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_682.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_682.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_682.txt
MOVING IMG NAMED real_98
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_98.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_98.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_98.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_98.txt
MOVING IMG NAMED real_147
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_147.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_147.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_147.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_147.txt
MOVING IMG NAMED real_826
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_826.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_826.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_826.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_826.txt
MOVING IMG NAMED real_560
```



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_560.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_560.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_560.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_560.txt
MOVING IMG NAMED real_199
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_199.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_199.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_199.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_199.txt
MOVING IMG NAMED real_243
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_243.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_243.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_243.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_243.txt
MOVING IMG NAMED real_430
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_430.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_430.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_430.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_430.txt
MOVING IMG NAMED real_464
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_464.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_464.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_464.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_464.txt
MOVING IMG NAMED real_961
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_961.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_961.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_961.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_961.txt
MOVING IMG NAMED real_30
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_30.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_30.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_30.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_30.txt
MOVING IMG NAMED real_931
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_931.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_931.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_931.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_931.txt
MOVING IMG NAMED real_845
```

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mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_845.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_845.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_845.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_845.txt
MOVING IMG NAMED real_223
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_223.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_223.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_223.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_223.txt
MOVING IMG NAMED real_23
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_23.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_23.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_23.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_23.txt
MOVING IMG NAMED real_362
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_362.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_362.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_362.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_362.txt
MOVING IMG NAMED real_708
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_708.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_708.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_708.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_708.txt
MOVING IMG NAMED real_182
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_182.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_182.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_182.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_182.txt
MOVING IMG NAMED real_766
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_766.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_766.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_766.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_766.txt
MOVING IMG NAMED real_33
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_33.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_33.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_33.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_33.txt
MOVING IMG NAMED real_650
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_650.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_650.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_650.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_650.txt
MOVING IMG NAMED real_510
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_510.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_510.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_510.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_510.txt
MOVING IMG NAMED real_413
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_413.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_413.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_413.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_413.txt
MOVING IMG NAMED real_788
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_788.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_788.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_788.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_788.txt
MOVING IMG NAMED real_848
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_848.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_848.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_848.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_848.txt
MOVING IMG NAMED real_73
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_73.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_73.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_73.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_73.txt
MOVING IMG NAMED real_68
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_68.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_68.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_68.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_68.txt
MOVING IMG NAMED real_127
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_127.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_127.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_127.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_127.txt
MOVING IMG NAMED real_638
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_638.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_638.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_638.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_638.txt
MOVING IMG NAMED real_180
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_180.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_180.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_180.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_180.txt
MOVING IMG NAMED real_879
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_879.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_879.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_879.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_879.txt
MOVING IMG NAMED real_414
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_414.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_414.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_414.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_414.txt
MOVING IMG NAMED real_573
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_573.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_573.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_573.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_573.txt
MOVING IMG NAMED real_84
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_84.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_84.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_84.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_84.txt
MOVING IMG NAMED real_888
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_888.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_888.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_888.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_888.txt
MOVING IMG NAMED real_37
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_37.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_37.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_37.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_37.txt
MOVING IMG NAMED real_503
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_660.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_660.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_660.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_660.txt
MOVING IMG NAMED real_346
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_346.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_346.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_346.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_346.txt
MOVING IMG NAMED real_83
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_83.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_83.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_83.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_83.txt
MOVING IMG NAMED real_87
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_87.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_87.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_87.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_87.txt
MOVING IMG NAMED real_400
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_400.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_400.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_400.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_400.txt
MOVING IMG NAMED real_613
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_613.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_613.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_613.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_613.txt
MOVING IMG NAMED real_275
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_275.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_275.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_275.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_275.txt
MOVING IMG NAMED real_828
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_828.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_828.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_828.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_828.txt
MOVING IMG NAMED real_778
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_17.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_17.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_17.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_17.txt
MOVING IMG NAMED real_671
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_671.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_671.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_671.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_671.txt
MOVING IMG NAMED real_617
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_617.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_617.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_617.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_617.txt
MOVING IMG NAMED real_620
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_620.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_620.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_620.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_620.txt
MOVING IMG NAMED real_767
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_767.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_767.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_767.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_767.txt
MOVING IMG NAMED real_943
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_943.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_943.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_943.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_943.txt
MOVING IMG NAMED real_747
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_747.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_747.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_747.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_747.txt
MOVING IMG NAMED real_145
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_145.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_145.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_145.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_145.txt
MOVING IMG NAMED real_443
```



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_443.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_443.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_443.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_443.txt
MOVING IMG NAMED real_59
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_59.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_59.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_59.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_59.txt
MOVING IMG NAMED real_162
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_162.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_162.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_162.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_162.txt
MOVING IMG NAMED real_722
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_722.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_722.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_722.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_722.txt
MOVING IMG NAMED real_14
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_14.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_14.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_14.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_14.txt
MOVING IMG NAMED real_635
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_635.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_635.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_635.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_635.txt
MOVING IMG NAMED real_106
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_106.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_106.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_106.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_106.txt
MOVING IMG NAMED real_910
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_910.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_910.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_910.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_910.txt
MOVING IMG NAMED real_95
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_95.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_95.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_95.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_95.txt
MOVING IMG NAMED real_49
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_49.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_49.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_49.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_49.txt
MOVING IMG NAMED real_291
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_291.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_291.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_291.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_291.txt
MOVING IMG NAMED real_900
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_900.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_900.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_900.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_900.txt
MOVING IMG NAMED real_347
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_347.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_347.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_347.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_347.txt
MOVING IMG NAMED real_521
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_521.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_521.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_521.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_521.txt
MOVING IMG NAMED real_405
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_405.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_405.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_405.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_405.txt
MOVING IMG NAMED real_853
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_853.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_853.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_853.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_853.txt
MOVING IMG NAMED real_238
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_238.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_238.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_238.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_238.txt
MOVING IMG NAMED real_694
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_694.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_694.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_694.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_694.txt
MOVING IMG NAMED real_884
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_884.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_884.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_884.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_884.txt
MOVING IMG NAMED real_820
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_820.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_820.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_820.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_820.txt
MOVING IMG NAMED real_434
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_434.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_434.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_434.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_434.txt
MOVING IMG NAMED real_183
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_183.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_183.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_183.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_183.txt
MOVING IMG NAMED real_90
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_90.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_90.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_90.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_90.txt
MOVING IMG NAMED real_954
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_954.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_954.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_954.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_954.txt
MOVING IMG NAMED real_637
```

[illegible]

[illegible]

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_662.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_662.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_662.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_662.txt
MOVING IMG NAMED real_181
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_181.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_181.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_181.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_181.txt
MOVING IMG NAMED real_772
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_772.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_772.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_772.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_772.txt
MOVING IMG NAMED real_471
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_471.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_471.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_471.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_471.txt
MOVING IMG NAMED real_948
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_948.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_948.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_948.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_948.txt
MOVING IMG NAMED real_505
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_505.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_505.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_505.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_505.txt
MOVING IMG NAMED real_26
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_26.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_26.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_26.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_26.txt
MOVING IMG NAMED real_899
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_899.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_899.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_899.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_899.txt
MOVING IMG NAMED real_498
```



[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_653.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_653.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_653.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_653.txt
MOVING IMG NAMED real_812
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_812.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_812.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_812.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_812.txt
MOVING IMG NAMED real_630
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_630.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_630.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_630.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_630.txt
MOVING IMG NAMED real_846
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_846.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_846.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_846.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_846.txt
MOVING IMG NAMED real_256
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_256.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_256.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_256.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_256.txt
MOVING IMG NAMED real_56
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_56.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_56.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_56.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_56.txt
MOVING IMG NAMED real_239
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_239.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_239.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_239.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_239.txt
MOVING IMG NAMED real_618
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_618.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_618.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_618.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_618.txt
MOVING IMG NAMED real_800
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_800.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_800.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_800.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_800.txt
MOVING IMG NAMED real_935
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_935.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_935.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_935.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_935.txt
MOVING IMG NAMED real_21
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_21.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_21.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_21.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_21.txt
MOVING IMG NAMED real_391
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_391.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_391.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_391.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_391.txt
MOVING IMG NAMED real_378
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_378.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_378.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_378.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_378.txt
MOVING IMG NAMED real_111
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_111.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_111.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_111.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_111.txt
MOVING IMG NAMED real_192
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_192.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_192.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_192.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_192.txt
MOVING IMG NAMED real_563
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_563.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_563.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_563.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_563.txt
MOVING IMG NAMED real_907
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_70.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_70.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_70.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_70.txt
MOVING IMG NAMED real_611
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_611.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_611.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_611.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_611.txt
MOVING IMG NAMED real_941
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_941.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_941.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_941.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_941.txt
MOVING IMG NAMED real_339
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_339.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_339.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_339.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_339.txt
MOVING IMG NAMED real_480
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_480.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_480.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_480.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_480.txt
MOVING IMG NAMED real_649
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_649.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_649.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_649.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_649.txt
MOVING IMG NAMED real_465
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_465.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_465.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_465.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_465.txt
MOVING IMG NAMED real_806
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_806.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_806.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_806.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_806.txt
MOVING IMG NAMED real_195
```

[illegible]

[illegible]

[illegible]



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_273.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_273.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_273.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_273.txt
MOVING IMG NAMED real_241
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_241.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_241.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_241.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_241.txt
MOVING IMG NAMED real_322
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_322.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_322.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_322.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_322.txt
MOVING IMG NAMED real_622
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_622.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_622.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_622.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_622.txt
MOVING IMG NAMED real_28
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_28.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_28.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_28.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_28.txt
MOVING IMG NAMED real_861
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_861.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_861.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_861.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_861.txt
MOVING IMG NAMED real_42
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_42.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_42.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_42.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_42.txt
MOVING IMG NAMED real_569
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_569.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_569.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_569.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_569.txt
MOVING IMG NAMED real_753
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_753.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_753.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_753.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_753.txt
MOVING IMG NAMED real_746
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_746.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_746.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_746.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_746.txt
MOVING IMG NAMED real_105
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_105.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_105.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_105.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_105.txt
MOVING IMG NAMED real_1005
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_1005.jpg /code/object-detection/assets/duckietown_object_detection_data
set/train/images/real_1005.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_1005.txt /code/object-detection/assets/duckietown_object_detection_data
set/train/labels/real_1005.txt
MOVING IMG NAMED real_268
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_268.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_268.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_268.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_268.txt
MOVING IMG NAMED real_893
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_893.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_893.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_893.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_893.txt
MOVING IMG NAMED real_81
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_81.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_81.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_81.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_81.txt
MOVING IMG NAMED real_198
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_198.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_198.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_198.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_198.txt
MOVING IMG NAMED real_173
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_173.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_173.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_173.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_173.txt
MOVING IMG NAMED real_489
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_489.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_489.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_489.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_489.txt
MOVING IMG NAMED real_713
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_713.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_713.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_713.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_713.txt
MOVING IMG NAMED real_665
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_665.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_665.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_665.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_665.txt
MOVING IMG NAMED real_373
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_373.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_373.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_373.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_373.txt
MOVING IMG NAMED real_566
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_566.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_566.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_566.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_566.txt
MOVING IMG NAMED real_10
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_10.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_10.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_10.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_10.txt
MOVING IMG NAMED real_349
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_349.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_349.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_349.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_349.txt
MOVING IMG NAMED real_451
```

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_191.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_191.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_191.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_191.txt
MOVING IMG NAMED real_981
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_981.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_981.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_981.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_981.txt
MOVING IMG NAMED real_138
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_138.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_138.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_138.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_138.txt
MOVING IMG NAMED real_583
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_583.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_583.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_583.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_583.txt
MOVING IMG NAMED real_47
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_47.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_47.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_47.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_47.txt
MOVING IMG NAMED real_517
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_517.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_517.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_517.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_517.txt
MOVING IMG NAMED real_795
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_795.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_795.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_795.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_795.txt
MOVING IMG NAMED real_810
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_810.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_810.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_810.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_810.txt
MOVING IMG NAMED real_699
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_699.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_699.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_699.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_699.txt
MOVING IMG NAMED real_54
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_54.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_54.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_54.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_54.txt
MOVING IMG NAMED real_710
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_710.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_710.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_710.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_710.txt
MOVING IMG NAMED real_458
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_458.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_458.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_458.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_458.txt
MOVING IMG NAMED real_885
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_885.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_885.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_885.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_885.txt
MOVING IMG NAMED real_58
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_58.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_58.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_58.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_58.txt
MOVING IMG NAMED real_406
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_406.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_406.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_406.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_406.txt
MOVING IMG NAMED real_628
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_628.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_628.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_628.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_628.txt
MOVING IMG NAMED real_63
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_63.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_63.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_63.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_63.txt
MOVING IMG NAMED real_208
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_208.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_208.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_208.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_208.txt
MOVING IMG NAMED real_132
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_132.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_132.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_132.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_132.txt
MOVING IMG NAMED real_552
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_552.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_552.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_552.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_552.txt
MOVING IMG NAMED real_354
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_354.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_354.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_354.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_354.txt
MOVING IMG NAMED real_327
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_327.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_327.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_327.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_327.txt
MOVING IMG NAMED real_38
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_38.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_38.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_38.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_38.txt
MOVING IMG NAMED real_259
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_259.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_259.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_259.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_259.txt
MOVING IMG NAMED real_156
```



[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_564.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_564.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_564.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_564.txt
MOVING IMG NAMED real_115
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_115.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_115.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_115.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_115.txt
MOVING IMG NAMED real_142
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_142.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_142.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_142.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_142.txt
MOVING IMG NAMED real_29
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_29.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_29.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_29.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_29.txt
MOVING IMG NAMED real_440
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_440.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_440.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_440.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_440.txt
MOVING IMG NAMED real_748
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_748.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_748.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_748.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_748.txt
MOVING IMG NAMED real_732
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_732.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_732.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_732.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_732.txt
MOVING IMG NAMED real_817
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_817.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_817.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_817.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_817.txt
MOVING IMG NAMED real_890
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_890.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_890.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_890.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_890.txt
MOVING IMG NAMED real_72
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_72.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_72.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_72.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_72.txt
MOVING IMG NAMED real_580
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_580.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_580.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_580.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_580.txt
MOVING IMG NAMED real_450
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_450.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_450.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_450.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_450.txt
MOVING IMG NAMED real_394
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_394.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_394.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_394.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_394.txt
MOVING IMG NAMED real_522
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_522.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_522.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_522.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_522.txt
MOVING IMG NAMED real_94
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_94.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_94.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_94.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_94.txt
MOVING IMG NAMED real_232
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_232.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_232.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_232.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_232.txt
MOVING IMG NAMED real_367
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_367.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_367.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_367.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_367.txt
MOVING IMG NAMED real_71
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_71.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_71.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_71.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_71.txt
MOVING IMG NAMED real_877
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_877.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_877.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_877.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_877.txt
MOVING IMG NAMED real_427
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_427.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_427.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_427.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_427.txt
MOVING IMG NAMED real_60
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_60.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_60.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_60.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_60.txt
MOVING IMG NAMED real_858
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_858.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_858.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_858.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_858.txt
MOVING IMG NAMED real_881
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_881.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_881.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_881.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_881.txt
MOVING IMG NAMED real_9
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_9.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_9.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_9.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_9.txt
MOVING IMG NAMED real_949
```

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_3.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_3.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_3.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_3.txt
MOVING IMG NAMED real_524
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_524.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_524.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_524.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_524.txt
MOVING IMG NAMED real_473
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_473.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_473.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_473.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_473.txt
MOVING IMG NAMED real_278
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_278.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_278.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_278.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_278.txt
MOVING IMG NAMED real_631
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_631.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_631.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_631.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_631.txt
MOVING IMG NAMED real_272
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_272.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_272.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_272.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_272.txt
MOVING IMG NAMED real_61
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_61.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_61.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_61.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_61.txt
MOVING IMG NAMED real_654
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_654.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/train/images/real_654.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_654.txt /code/object-detection/assets/duckietown_object_detection_datase
t/train/labels/real_654.txt
MOVING IMG NAMED real_541
```

[illegible]



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_274.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_274.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_274.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_274.txt
MOVING IMG NAMED real_742
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_742.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_742.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_742.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_742.txt
MOVING IMG NAMED real_642
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_642.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_642.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_642.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_642.txt
MOVING IMG NAMED real_513
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_513.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_513.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_513.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_513.txt
MOVING IMG NAMED real_438
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_438.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_438.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_438.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_438.txt
MOVING IMG NAMED real_978
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_978.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_978.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_978.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_978.txt
MOVING IMG NAMED real_866
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_866.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_866.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_866.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_866.txt
MOVING IMG NAMED real_40
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_40.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_40.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_40.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_40.txt
MOVING IMG NAMED real_390
```

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mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_390.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_390.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_390.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_390.txt
MOVING IMG NAMED real_149
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_149.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_149.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_149.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_149.txt
MOVING IMG NAMED real_207
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_207.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_207.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_207.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_207.txt
MOVING IMG NAMED real_5
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_5.jpg /code/object-detection/assets/duckietown_object_detection_databa
se
t/train/images/real_5.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_5.txt /code/object-detection/assets/duckietown_object_detection_databa
se
t/train/labels/real_5.txt
MOVING IMG NAMED real_240
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_240.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_240.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_240.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_240.txt
MOVING IMG NAMED real_787
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_787.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_787.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_787.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_787.txt
MOVING IMG NAMED real_100
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_100.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_100.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_100.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_100.txt
MOVING IMG NAMED real_902
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_902.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_902.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_902.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_902.txt
MOVING IMG NAMED real_310
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_310.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_310.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_310.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_310.txt
MOVING IMG NAMED real_897
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_897.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_897.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_897.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_897.txt
MOVING IMG NAMED real_989
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_989.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_989.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_989.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_989.txt
MOVING IMG NAMED real_62
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_62.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_62.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_62.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_62.txt
MOVING IMG NAMED real_159
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_159.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_159.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_159.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_159.txt
MOVING IMG NAMED real_538
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_538.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_538.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_538.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_538.txt
MOVING IMG NAMED real_24
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_24.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_24.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_24.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_24.txt
MOVING IMG NAMED real_355
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_355.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_355.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_355.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_355.txt
MOVING IMG NAMED real_909
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_909.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_909.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_909.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_909.txt
MOVING IMG NAMED real_48
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_48.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_48.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_48.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_48.txt
MOVING IMG NAMED real_134
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_134.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_134.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_134.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_134.txt
MOVING IMG NAMED real_811
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_811.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_811.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_811.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_811.txt
MOVING IMG NAMED real_204
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_204.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_204.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_204.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_204.txt
MOVING IMG NAMED real_751
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_751.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_751.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_751.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_751.txt
MOVING IMG NAMED real_686
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_686.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_686.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_686.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_686.txt
MOVING IMG NAMED real_248
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_248.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_248.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_248.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_248.txt
MOVING IMG NAMED real_307
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_307.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_307.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_307.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_307.txt
MOVING IMG NAMED real_110
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_110.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_110.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_110.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_110.txt
MOVING IMG NAMED real_34
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_34.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_34.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_34.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_34.txt
MOVING IMG NAMED real_633
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_633.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_633.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_633.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_633.txt
MOVING IMG NAMED real_369
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_369.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_369.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_369.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_369.txt
MOVING IMG NAMED real_113
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_113.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_113.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_113.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_113.txt
MOVING IMG NAMED real_957
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_957.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_957.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_957.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_957.txt
MOVING IMG NAMED real_481
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_481.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_481.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_481.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_481.txt
MOVING IMG NAMED real_984
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_984.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_984.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_984.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_984.txt
MOVING IMG NAMED real_424
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_424.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_424.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_424.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_424.txt
MOVING IMG NAMED real_592
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_592.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_592.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_592.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_592.txt
MOVING IMG NAMED real_773
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_773.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_773.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_773.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_773.txt
MOVING IMG NAMED real_255
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_255.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_255.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_255.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_255.txt
MOVING IMG NAMED real_668
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_668.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_668.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_668.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_668.txt
MOVING IMG NAMED real_6
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_6.jpg /code/object-detection/assets/duckietown_object_detection_databa
se
t/train/images/real_6.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_6.txt /code/object-detection/assets/duckietown_object_detection_databa
se
t/train/labels/real_6.txt
MOVING IMG NAMED real_970
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_970.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_970.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_970.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_970.txt
MOVING IMG NAMED real_975
```

[illegible]

[illegible]



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_177.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_177.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_177.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_177.txt
MOVING IMG NAMED real_506
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_506.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_506.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_506.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_506.txt
MOVING IMG NAMED real_44
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_44.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_44.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_44.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_44.txt
MOVING IMG NAMED real_361
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_361.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_361.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_361.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_361.txt
MOVING IMG NAMED real_526
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_526.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_526.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_526.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_526.txt
MOVING IMG NAMED real_687
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_687.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_687.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_687.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_687.txt
MOVING IMG NAMED real_99
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_99.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_99.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_99.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_99.txt
MOVING IMG NAMED real_104
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_104.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_104.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_104.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_104.txt
MOVING IMG NAMED real_775
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_775.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_775.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_775.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_775.txt
MOVING IMG NAMED real_39
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_39.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/train/images/real_39.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_39.txt /code/object-detection/assets/duckietown_object_detection_dase
t/train/labels/real_39.txt
MOVING IMG NAMED real_108
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_108.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_108.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_108.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_108.txt
MOVING IMG NAMED real_816
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_816.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_816.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_816.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_816.txt
MOVING IMG NAMED real_581
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_581.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_581.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_581.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_581.txt
MOVING IMG NAMED real_727
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_727.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_727.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_727.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_727.txt
MOVING IMG NAMED real_690
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_690.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_690.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_690.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_690.txt
MOVING IMG NAMED real_231
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_231.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_231.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_231.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_231.txt
MOVING IMG NAMED real_734
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_655.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_655.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_655.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_655.txt
MOVING IMG NAMED real_432
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_432.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_432.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_432.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_432.txt
MOVING IMG NAMED real_860
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_860.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_860.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_860.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_860.txt
MOVING IMG NAMED real_983
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_983.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_983.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_983.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_983.txt
MOVING IMG NAMED real_735
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_735.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/train/images/real_735.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_735.txt /code/object-detection/assets/duckietown_object_detection_datas
et/train/labels/real_735.txt
MOVING IMG NAMED real_247
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_247.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_247.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_247.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_247.txt
MOVING IMG NAMED real_823
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_823.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_823.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_823.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_823.txt
MOVING IMG NAMED real_714
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_714.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_714.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_714.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_714.txt
MOVING IMG NAMED real_441
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_441.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_441.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_441.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_441.txt
MOVING IMG NAMED real_777
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_777.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_777.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_777.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_777.txt
MOVING IMG NAMED real_621
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_621.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_621.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_621.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_621.txt
MOVING IMG NAMED real_456
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_456.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_456.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_456.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_456.txt
MOVING IMG NAMED real_288
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_288.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_288.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_288.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_288.txt
MOVING IMG NAMED real_78
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_78.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_78.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_78.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_78.txt
MOVING IMG NAMED real_386
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_386.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_386.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_386.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_386.txt
MOVING IMG NAMED real_170
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_170.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_170.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_170.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_170.txt
MOVING IMG NAMED real_614
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_136.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_136.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_136.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_136.txt
MOVING IMG NAMED real_74
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_74.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_74.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_74.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_74.txt
MOVING IMG NAMED real_913
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_913.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_913.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_913.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_913.txt
MOVING IMG NAMED real_477
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_477.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_477.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_477.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_477.txt
MOVING IMG NAMED real_626
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_626.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_626.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_626.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_626.txt
MOVING IMG NAMED real_499
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_499.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_499.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_499.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_499.txt
MOVING IMG NAMED real_315
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_315.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_315.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_315.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_315.txt
MOVING IMG NAMED real_947
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_947.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_947.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_947.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_947.txt
MOVING IMG NAMED real_77
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_77.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_77.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_77.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_77.txt
MOVING IMG NAMED real_237
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_237.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_237.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_237.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_237.txt
MOVING IMG NAMED real_793
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_793.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_793.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_793.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_793.txt
MOVING IMG NAMED real_880
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_880.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_880.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_880.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_880.txt
MOVING IMG NAMED real_55
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_55.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_55.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_55.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_55.txt
MOVING IMG NAMED real_333
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_333.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_333.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_333.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_333.txt
MOVING IMG NAMED real_711
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_711.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_711.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_711.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_711.txt
MOVING IMG NAMED real_442
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_442.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_442.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_442.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_442.txt
MOVING IMG NAMED real_252
```



[illegible]

[illegible]

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_13.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_13.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_13.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_13.txt
MOVING IMG NAMED real_283
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_283.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_283.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_283.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_283.txt
MOVING IMG NAMED real_479
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_479.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_479.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_479.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_479.txt
MOVING IMG NAMED real_426
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_426.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_426.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_426.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_426.txt
MOVING IMG NAMED real_64
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_64.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_64.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_64.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_64.txt
MOVING IMG NAMED real_212
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_212.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_212.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_212.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_212.txt
MOVING IMG NAMED real_685
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_685.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_685.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_685.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_685.txt
MOVING IMG NAMED real_646
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_646.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_646.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_646.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_646.txt
MOVING IMG NAMED real_840
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_88.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_88.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_88.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_88.txt
MOVING IMG NAMED real_578
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_578.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_578.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_578.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_578.txt
MOVING IMG NAMED real_51
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_51.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_51.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_51.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_51.txt
MOVING IMG NAMED real_246
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_246.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_246.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_246.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_246.txt
MOVING IMG NAMED real_135
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_135.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_135.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_135.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_135.txt
MOVING IMG NAMED real_726
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_726.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_726.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_726.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_726.txt
MOVING IMG NAMED real_379
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_379.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_379.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_379.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_379.txt
MOVING IMG NAMED real_129
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_129.jpg /code/object-detection/assets/duckietown_object_detection_datase
t/val/images/real_129.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_129.txt /code/object-detection/assets/duckietown_object_detection_datase
t/val/labels/real_129.txt
MOVING IMG NAMED real_287
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_287.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_287.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_287.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_287.txt
MOVING IMG NAMED real_717
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_717.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_717.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_717.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_717.txt
MOVING IMG NAMED real_757
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_757.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_757.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_757.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_757.txt
MOVING IMG NAMED real_495
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_495.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_495.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_495.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_495.txt
MOVING IMG NAMED real_923
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_923.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_923.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_923.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_923.txt
MOVING IMG NAMED real_79
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_79.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_79.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_79.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_79.txt
MOVING IMG NAMED real_516
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_516.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_516.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_516.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_516.txt
MOVING IMG NAMED real_166
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_166.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_166.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_166.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_166.txt
MOVING IMG NAMED real_184
```



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_184.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_184.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_184.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_184.txt
MOVING IMG NAMED real_27
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_27.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_27.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_27.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_27.txt
MOVING IMG NAMED real_974
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_974.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_974.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_974.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_974.txt
MOVING IMG NAMED real_410
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_410.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_410.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_410.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_410.txt
MOVING IMG NAMED real_953
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_953.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_953.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_953.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_953.txt
MOVING IMG NAMED real_790
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_790.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_790.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_790.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_790.txt
MOVING IMG NAMED real_600
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_600.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_600.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_600.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_600.txt
MOVING IMG NAMED real_366
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_366.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_366.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_366.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_366.txt
MOVING IMG NAMED real_915
```

[illegible]

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_429.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_429.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_429.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_429.txt
MOVING IMG NAMED real_317
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_317.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_317.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_317.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_317.txt
MOVING IMG NAMED real_821
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_821.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_821.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_821.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_821.txt
MOVING IMG NAMED real_596
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_596.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_596.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_596.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_596.txt
MOVING IMG NAMED real_46
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_46.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_46.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_46.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_46.txt
MOVING IMG NAMED real_834
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_834.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_834.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_834.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_834.txt
MOVING IMG NAMED real_412
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_412.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_412.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_412.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_412.txt
MOVING IMG NAMED real_43
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_43.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_43.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_43.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_43.txt
MOVING IMG NAMED real_332
```

[illegible]

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_945.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_945.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_945.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_945.txt
MOVING IMG NAMED real_680
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_680.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_680.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_680.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_680.txt
MOVING IMG NAMED real_587
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_587.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_587.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_587.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_587.txt
MOVING IMG NAMED real_12
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_12.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_12.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_12.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_12.txt
MOVING IMG NAMED real_468
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_468.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_468.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_468.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_468.txt
MOVING IMG NAMED real_986
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_986.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_986.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_986.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_986.txt
MOVING IMG NAMED real_959
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_959.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_959.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_959.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_959.txt
MOVING IMG NAMED real_179
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_179.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_179.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_179.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_179.txt
MOVING IMG NAMED real_612
```



```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_612.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_612.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_612.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_612.txt
MOVING IMG NAMED real_197
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_197.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_197.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_197.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_197.txt
MOVING IMG NAMED real_919
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_919.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_919.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_919.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_919.txt
MOVING IMG NAMED real_520
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_520.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_520.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_520.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_520.txt
MOVING IMG NAMED real_50
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_50.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_50.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_50.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_50.txt
MOVING IMG NAMED real_52
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_52.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_52.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_52.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_52.txt
MOVING IMG NAMED real_299
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_299.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_299.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_299.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_299.txt
MOVING IMG NAMED real_968
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_968.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_968.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_968.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_968.txt
MOVING IMG NAMED real_749
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_749.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_749.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_749.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_749.txt
MOVING IMG NAMED real_435
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_435.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_435.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_435.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_435.txt
MOVING IMG NAMED real_244
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_244.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_244.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_244.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_244.txt
MOVING IMG NAMED real_1003
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_1003.jpg /code/object-detection/assets/duckietown_object_detection_data
set/val/images/real_1003.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_1003.txt /code/object-detection/assets/duckietown_object_detection_data
set/val/labels/real_1003.txt
MOVING IMG NAMED real_360
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_360.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_360.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_360.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_360.txt
MOVING IMG NAMED real_791
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_791.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_791.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_791.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_791.txt
MOVING IMG NAMED real_930
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_930.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_930.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_930.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_930.txt
MOVING IMG NAMED real_744
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_744.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_744.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_744.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_744.txt
MOVING IMG NAMED real_254
```

[illegible]

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_233.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_233.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_233.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_233.txt
MOVING IMG NAMED real_41
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_41.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_41.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_41.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_41.txt
MOVING IMG NAMED real_235
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_235.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_235.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_235.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_235.txt
MOVING IMG NAMED real_556
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_556.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_556.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_556.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_556.txt
MOVING IMG NAMED real_804
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_804.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_804.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_804.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_804.txt
MOVING IMG NAMED real_770
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_770.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_770.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_770.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_770.txt
MOVING IMG NAMED real_2
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_2.jpg /code/object-detection/assets/duckietown_object_detection_dase
t/val/images/real_2.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_2.txt /code/object-detection/assets/duckietown_object_detection_dase
t/val/labels/real_2.txt
MOVING IMG NAMED real_982
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_982.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_982.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_982.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_982.txt
MOVING IMG NAMED real_705
```

```
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_705.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_705.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_705.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_705.txt
MOVING IMG NAMED real_758
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_758.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_758.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_758.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_758.txt
MOVING IMG NAMED real_755
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_755.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_755.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_755.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_755.txt
MOVING IMG NAMED real_122
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_122.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_122.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_122.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_122.txt
MOVING IMG NAMED real_335
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_335.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_335.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_335.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_335.txt
MOVING IMG NAMED real_863
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_863.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_863.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_863.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_863.txt
MOVING IMG NAMED real_398
mv /code/object-detection/assets/duckietown_object_detection_dataset/images/
real_398.jpg /code/object-detection/assets/duckietown_object_detection_datas
et/val/images/real_398.jpg
mv /code/object-detection/assets/duckietown_object_detection_dataset/labels/
real_398.txt /code/object-detection/assets/duckietown_object_detection_datas
et/val/labels/real_398.txt
```

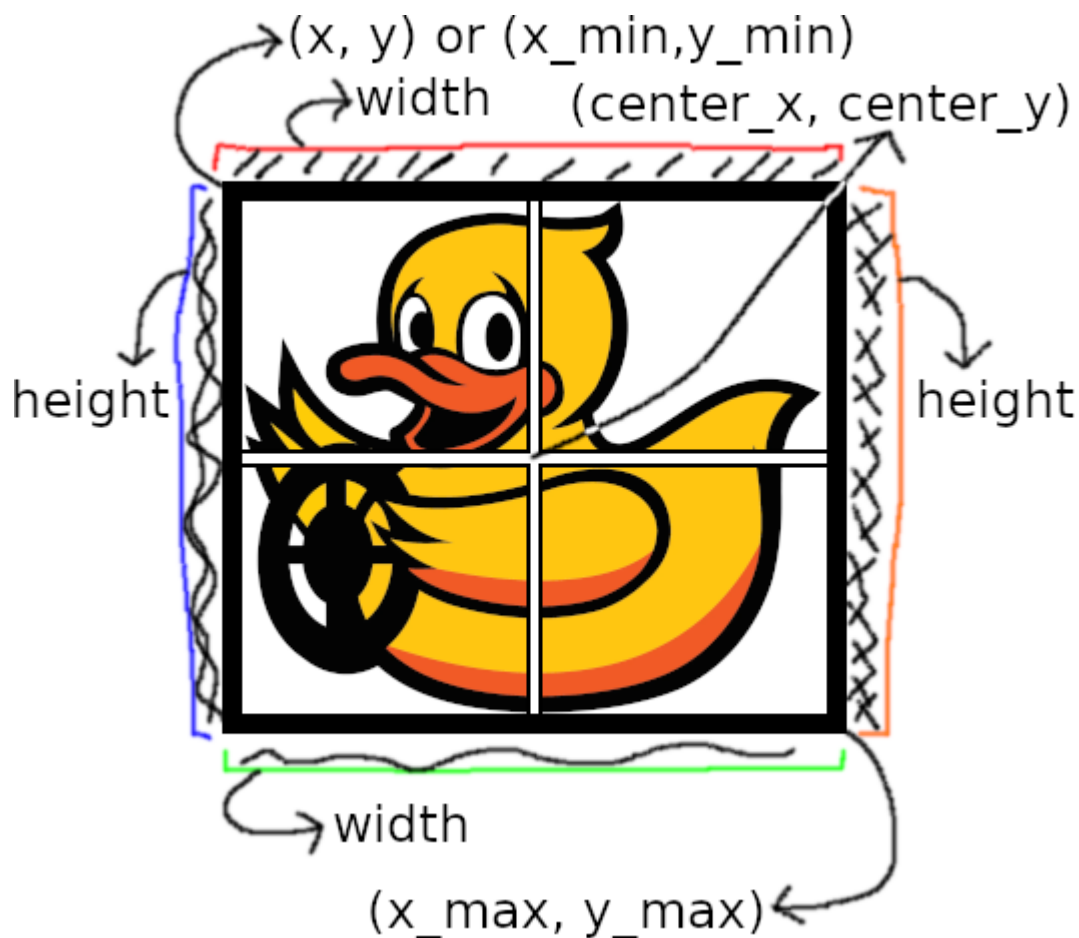
Once that's done, you're all set! We'll explain how the code above worked as you continue through this notebook.

## 2. Investigation

What does an object detection dataset look like? Clearly, the specifics will depend on the convention used by specific models, but the general idea is intuitive:

- We need an image
- This image might have many bounding boxes in it, so we need some sort of list of coordinates
- These bounding boxes must be associated with a class

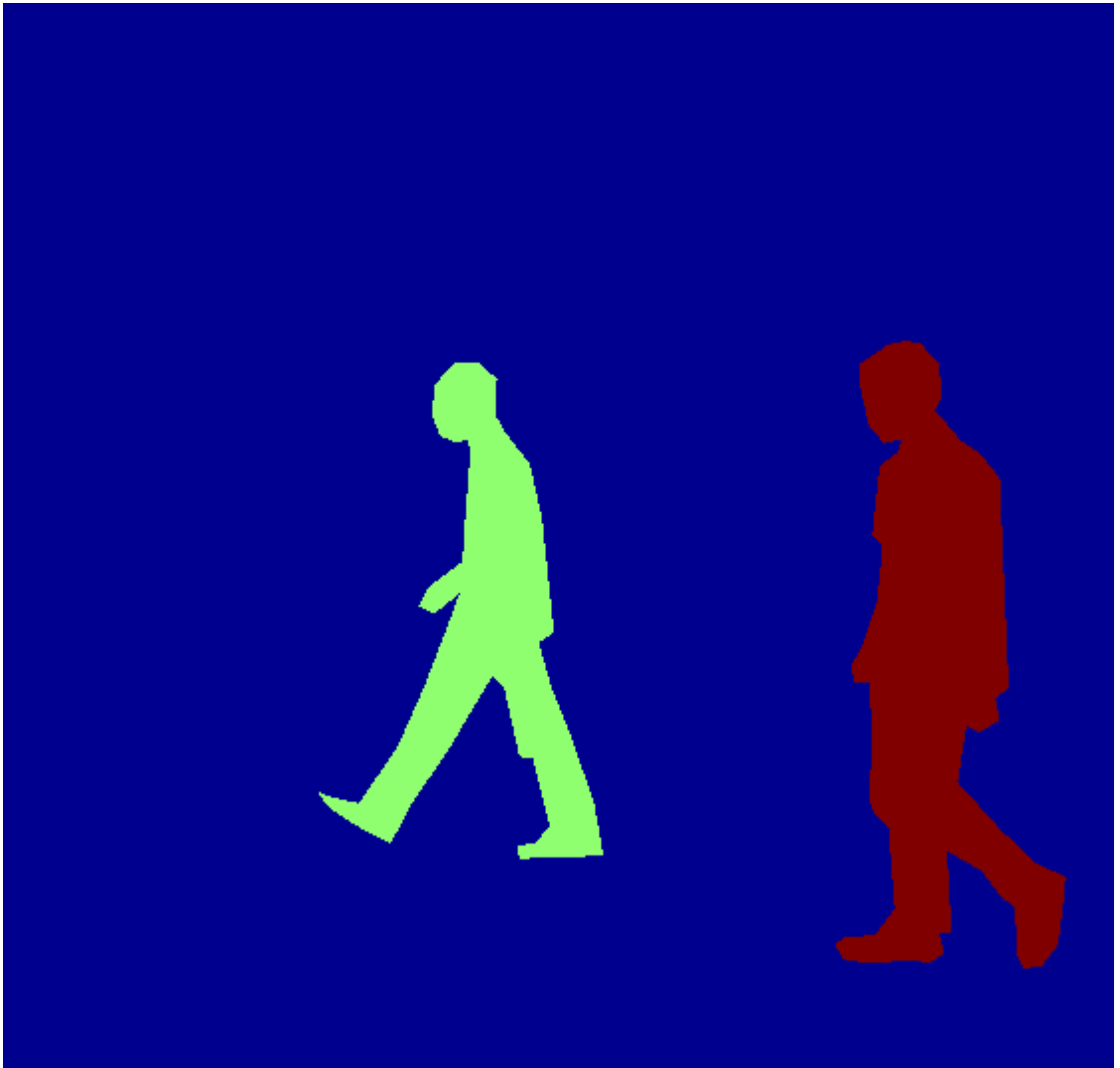
How are the bounding boxes defined?



Some conventions use `x_min y_min width height`, whereas others use `x_min y_min x_max y_max`, and others use `x_center y_center width height`. In this exercise, the model we recommend ([YoloV5](#)) uses `x_center y_center width height`.

And how do we actually obtain these bounding boxes? In real-life applications, you would need to label a dataset of images by hand. But if you have access to a simulator that is able to segment images, you could obtain the bounding boxes directly from the segmented images.

If you take a look at Pytorch's object detection [tutorial](#), that is similar to what they do. While their images were segmented by hand, the tutorial uses the same technique that we will use here to obtain the bounding boxes. Their images look like this:



And they simply calculate the min and max x and y coordinates of the segmented objects to obtain the bounding box.

We will use the segmented mode in the Duckietown simulator to compute the bounding boxes of non-segmented images.

## What we want to detect

The goal of this exercise is to make Duckietown safer: we want to be able to detect duckie pedestrians on the road and avoid squishing them. We also want to detect trucks, buses, and cones. Here is the complete list, along with their corresponding IDs:

Object	ID
Duckie	0
Cone	1
Truck	2
Bus	3

### 3. Data collection

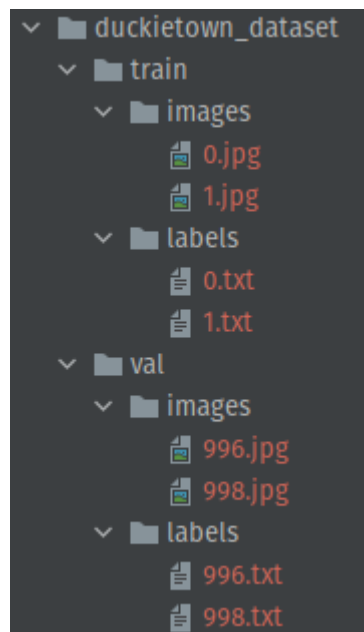
#### Tool and Format

We are going to supplement the data from the real dataset that we already downloaded with data automatically *generated from the simulator*. The script we will use for this is the [data\\_collection.py](#) file. You can edit the file in order to change the some parameters on what to generate, e.g. the number of images generated, which maps to be used by the simulator. More parameters (with description) can be found in the file, under the comment line:

```
# NOTE: These are parameters you can play with
```

The purpose of the [data\\_collection.py](#) script is to automatically generate data for you from the simulator. In the rest of this activity we will walk step by step through the process.

Of course, your dataset's format depends heavily on your model. If you want to use the [YoloV5](#) model that we suggest, you should closely follow their [guide on how to train using custom data](#). Your data should follow the following directory structure:



The dataset is called `duckietown_object_detection_dataset` and is stored inside the `assets/` directory of this learning experience. We have created two subdirectories in that folder: `train` and `val`. Both these directories should contain two subdirectories, `images` and `labels`. Inside `images`, you must place your images, and inside `labels`, you must place the images' bounding boxes data. Notice that the label files use the same name as their corresponding image files but with a different extension. In other words, the data for `0.jpg` can be found in `0.txt`.



The format for the label files is fairly simple. For each bounding box in the corresponding image, write a row of the form `class x_center y_center width height`. Keep in mind that the pixel data must be 0-to-1 normalized (i.e., you can calculate the usual `x_center y_center width height` in pixel space and divide by the image's size). For example,

```
0 0.5 0.5 0.2 0.2
1 0.60 0.70 0.4 0.2
```

this says "there is a duckie (class 0) centered in the image, whose width and height are 20% of the image's. There is also a cone (class 1) whose center is at 60% of the image's maximal x value and 70% of the image's maximal y value, and its width is 40% of the image's own while its height is 20%."

Again, it is recommended that you read the guide posted on YoloV5's GitHub: [guide on how to train using custom data](#).

## Running data collection

After you're done editing the [data\\_collection.py](#) file, we will need to run it against the simulator. We will do that through this activity's virtual desktop environment. (Run the following 2 commands from the root directory of this activity)

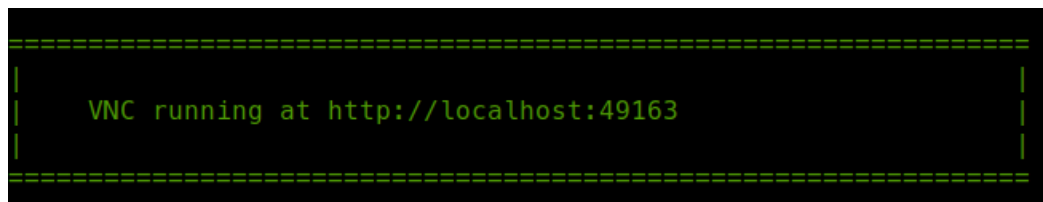
- First, let's prepare the environment for this activity to run in.

```
dts code build
```

- Then, access this activity's virtual desktop (also known and referred to as `VNC`) by  
,

```
dts code workbench --simulation --launcher data-collection
```

- Open the VNC with the URL that you see on screen, among the terminal logs
  - Cmd/Ctrl + Click on the link, or
  - Copy-paste the link to your browser address bar
  - The link looks like this:

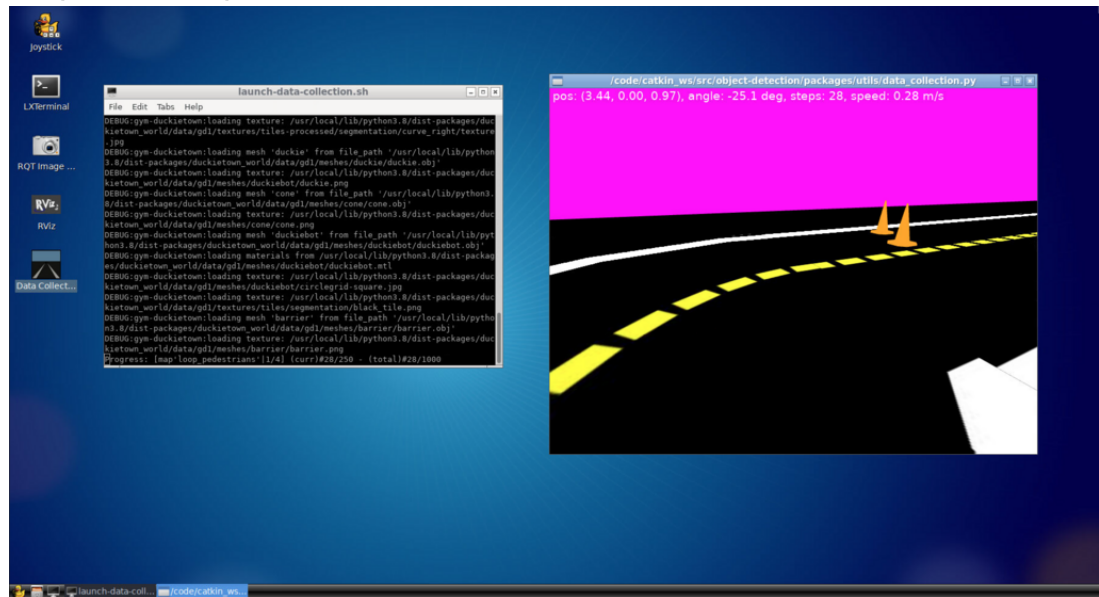


Then, click the "Data Collection" icon on the desktop. This will run your [data\\_collection.py](#) script file.

You will see a simulator view and the agent moving while collecting images. The process will load different maps and randomize time of day, starting location and heading and

other aspects of the environment. Wait until the simulator view window and the terminal terminate and close automatically.

- This is what you should expect to see. The collection progress is shown in the terminal. The image view shows the segmented scene, while we save the original image for training (see next section).



Later, if you edit the script again in this editor, you need to close the "Data Collection" application and click on the icon again for the changes to have an effect. Also, remove the images in

`assets/duckietown_object_detection_dataset/[train|val]/images` folders, which do NOT start with `real_`.

Once satisfied, you can close the VNC browser tab and terminate the `dts code workbench` command above by pressing Ctrl-C in your terminal.

## Data generation/collection procedure explained

In this section, we take some sample images and illustrate how the data collection script generates labels for the data from our simulator.

### 1. Take the segmented image (this is provided to you by the simulator's rendering engine)

```
In [ ]: from PIL import Image
import numpy as np
import cv2
import matplotlib.pyplot as plt
mapping = {
    "house": "3deb34",
    "bus": "ebd334",
    "truck": "961fad",
    "duckie": "cfa923",
```

```

    "cone": "ffa600",
    "floor": "000000",
    "grass": "000000",
    "barrier": "000099"
}
mapping = {
    key:
        [int(h[i:i+2], 16) for i in (0,2,4)]
    for key, h in mapping.items()
}

```

```

In [ ]: # Feel free to experiment with a few other files in the images folder. All c
obs = np.asarray(Image.open('../assets/images/duckie_not_seg.png'))
obs_seg = np.asarray(Image.open('../assets/images/duckie_seg.png'))
# define the mapping from objects to colours

```

```

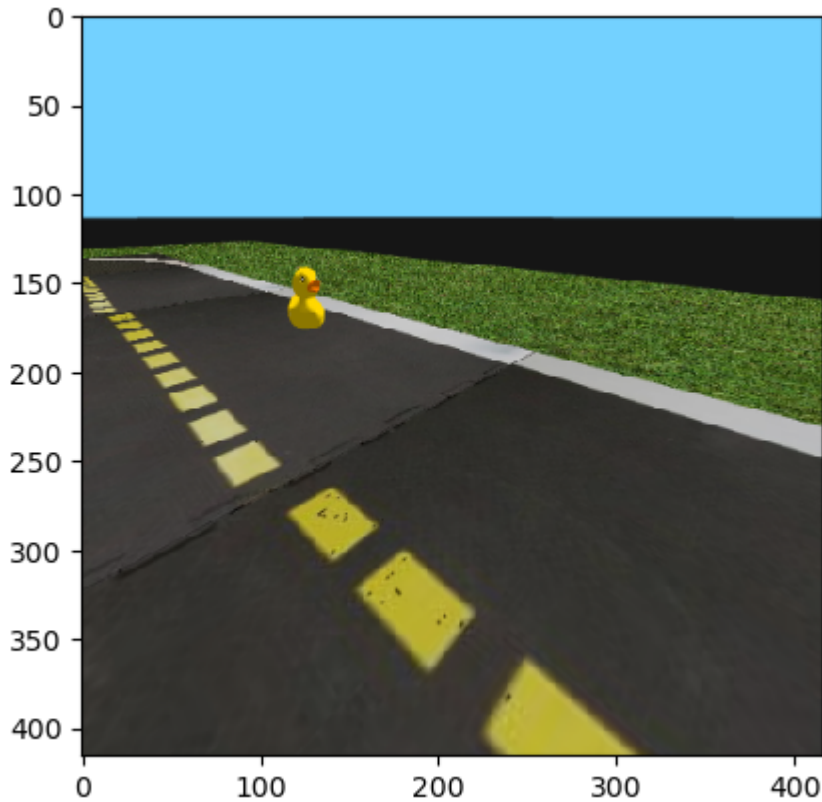
In [ ]: plt.imshow(obs)

```

```

Out[ ]: <matplotlib.image.AxesImage at 0xffff791d8220>

```



```

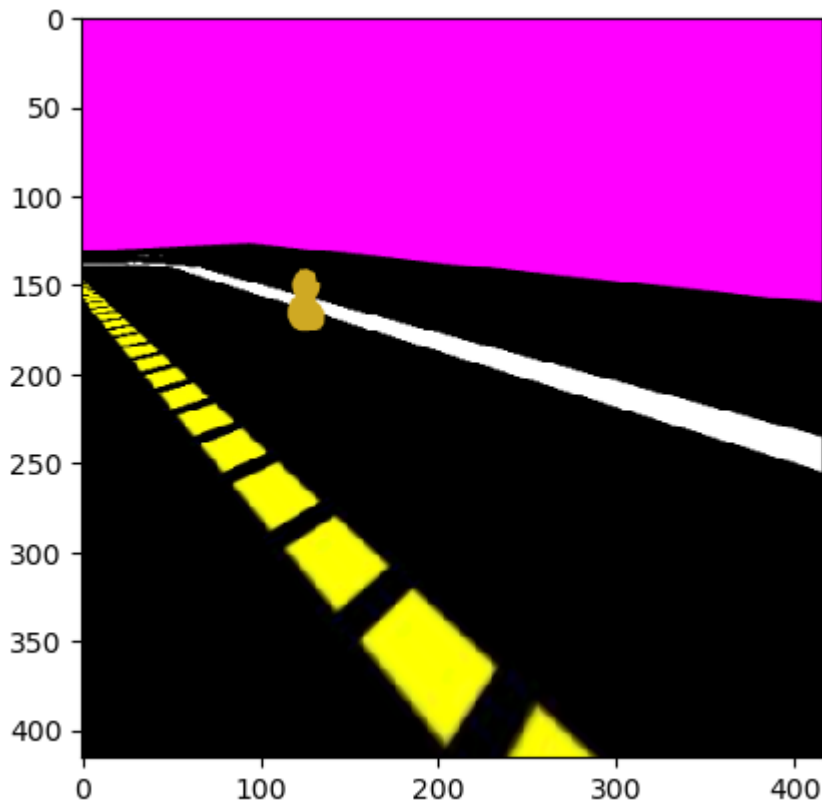
In [ ]: plt.imshow(obs_seg)

```

```

Out[ ]: <matplotlib.image.AxesImage at 0xffff7917a400>

```



## 2. Remove colors we are not interested in

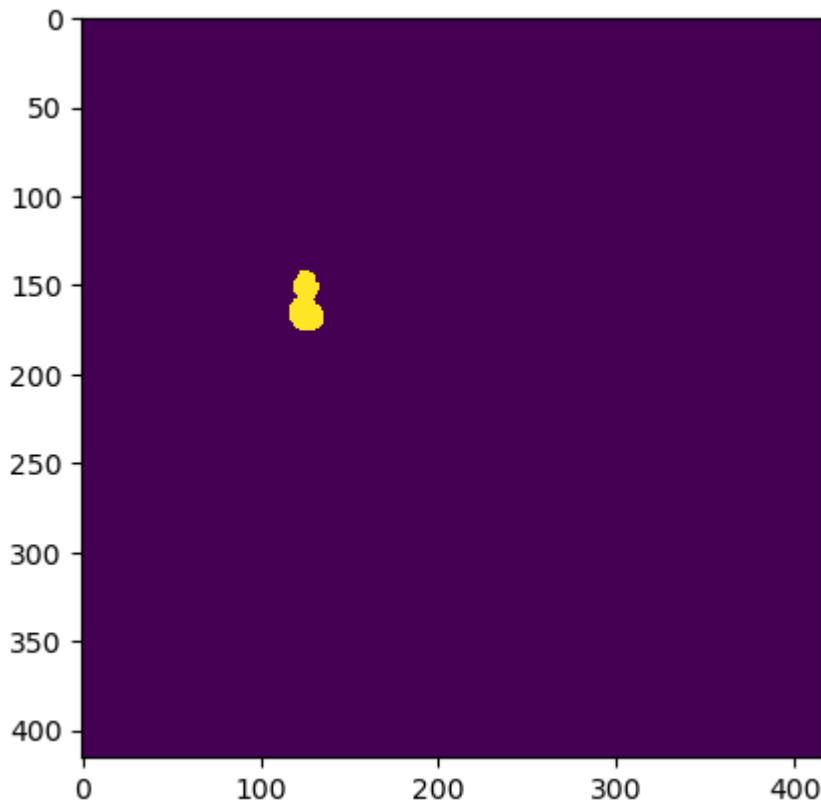
The function below removes all colors that do not match the given class name. We use this to isolate the objects of interest by isolating their respective color first.

```
In [ ]: from solution.setup_activity import segmented_image_one_class
```

Let's test it out by removing everything that is not a duckie in the image above.

```
In [ ]: duckie_masked_image = segmented_image_one_class(np.asarray(obs_seg), "duckie")
        plt.imshow(duckie_masked_image)
```

```
Out[ ]: <matplotlib.image.AxesImage at 0xffff780d7880>
```



### 3. Find bounding boxes around each unique instance within the image

The function below isolates the object by finding the contours of the colored blob in the image above.

This results in the bounding box around the object.

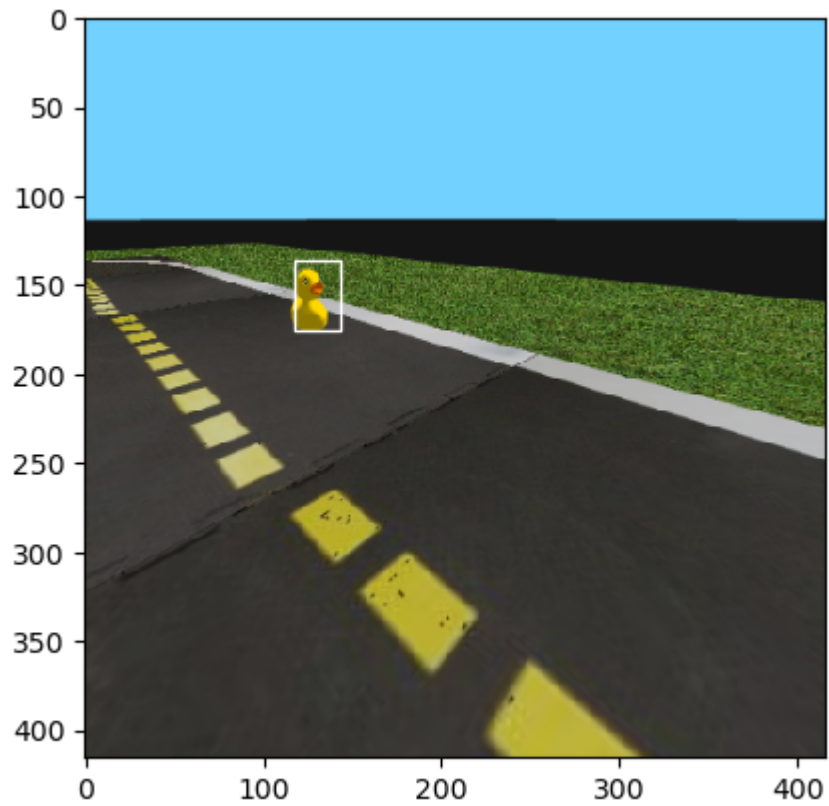
```
In [ ]: from solution.setup_activity import find_all_bboxes
```

The function below takes the original image and computed bounding boxes and superimposes the bounding boxes to the image.

```
In [ ]: def show_image_with_boxes(img, boxes):
import matplotlib.patches as patches
fig, ax = plt.subplots()
ax.imshow(img)
for box in boxes:
    rect = patches.Rectangle((box[0], box[2]), box[1]-box[0], box[3]-box[2])
    ax.add_patch(rect)
plt.show()
```

Let's test these functions out on the image above.

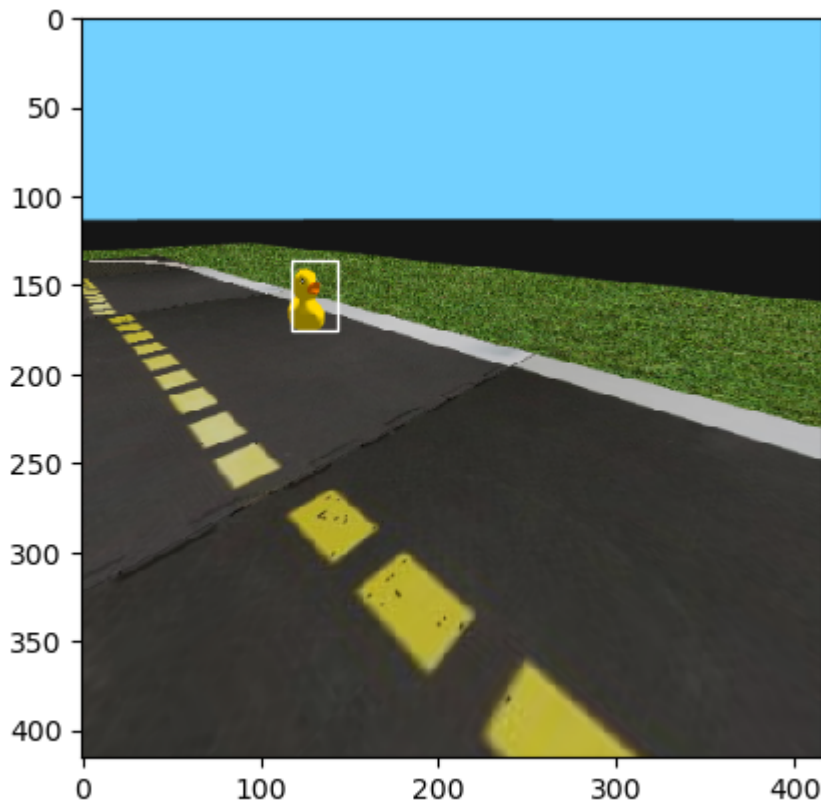
```
In [ ]: boxes = find_all_bboxes(duckie_masked_image)
show_image_with_boxes(obs, boxes)
```



#### 4. Let's do that but for all classes

```
In [ ]: from solution.setup_activity import find_all_boxes_and_classes
```

```
In [ ]: all_boxes, all_classes = find_all_boxes_and_classes(obs_seg)
        show_image_with_boxes(obs, all_boxes)
```



Finally we save the **non-segmented** version of the image, and write its bounding boxes + their classes to a corresponding txt file. The above steps demonstrate what is implemented in the [data\\_collection.py](#) file.

## Combining with the real dataset & training/test set splits

When training supervised learning models, one must worry about overfitting to the training set. If you can keep *some* of your dataset *out* of your training data, you can use it to verify that your model does not overfit to your dataset by *testing* it on the data you left out. We call this chunk of data the *validation set*.

You can experiment with the `REAL_TRAIN_TEST_SPLIT_PERCENTAGE` variable defined at the top of this notebook. Tune its value to adjust the percentage of the **real** data that is used for training as opposed to testing. There is a similar variable defined in [data\\_collection.py](#), called `SIMULATED_TRAIN_SPLIT_PERCENTAGE` which controls the percentage of the **simulated** data that will be used for training.

## Next step

You can continue with the [Training notebook](#)