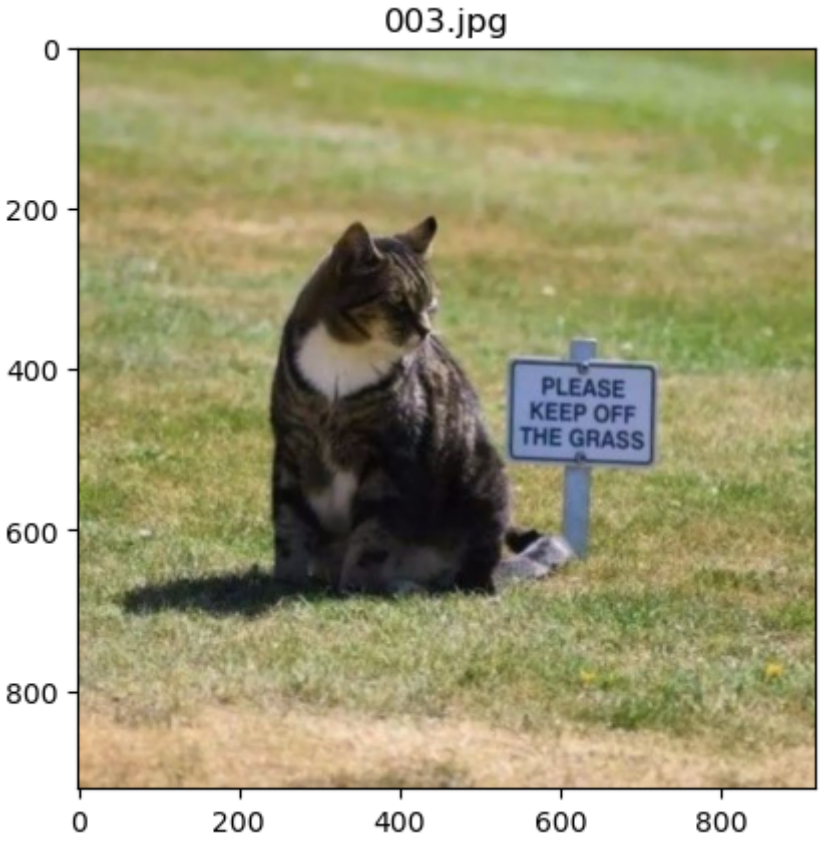
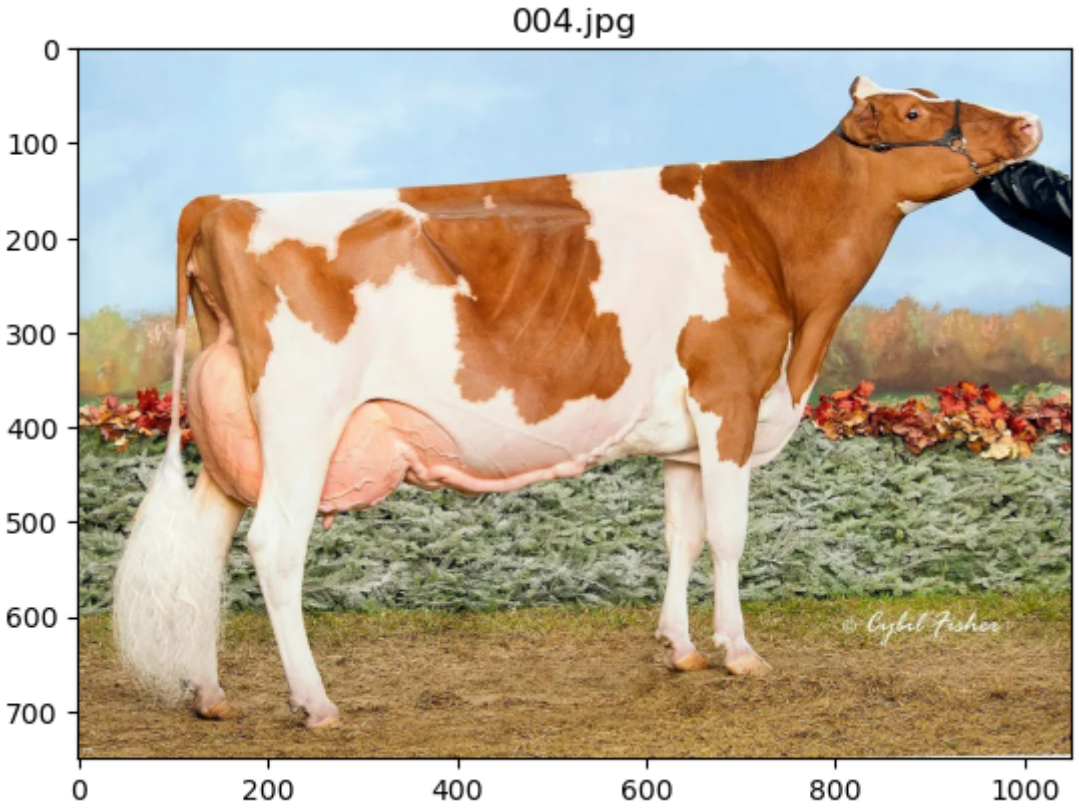
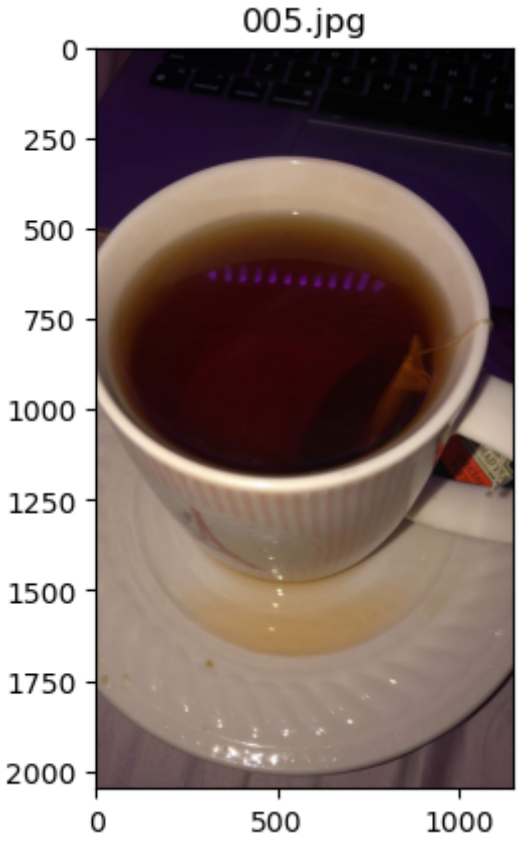
In [ ]:
```
from transformers import pipeline
import os
import matplotlib.pyplot as plt

image_to_text = pipeline("image-to-text", model="nlpconnect/vit-gpt2-image-capt
```

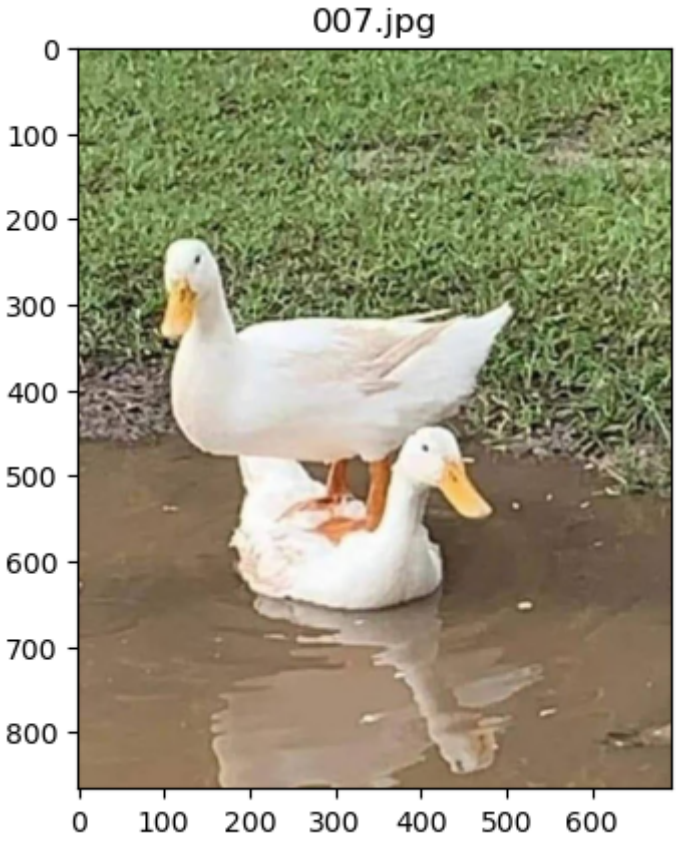
In [ ]:
```
PATH = './dataset/'

#show images with their original names

for i in os.listdir(PATH):
    img = plt.imread(PATH + i)
    plt.imshow(img)
    plt.title(i)
    plt.show()
```


003.jpg
PLEASE
KEEP OFF
THE GRASS
0
200
400
600
800


001.jpg
0
25
50
75
100
125
150
175
200


004.jpg
0
100
200
300
400
500
600
700
0
200
400
600
800
1000
© Cybil Fisher


005.jpg
0
250
500
750
1000
1250
1500
1750
2000
0
500
1000


007.jpg
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500
600
700
800
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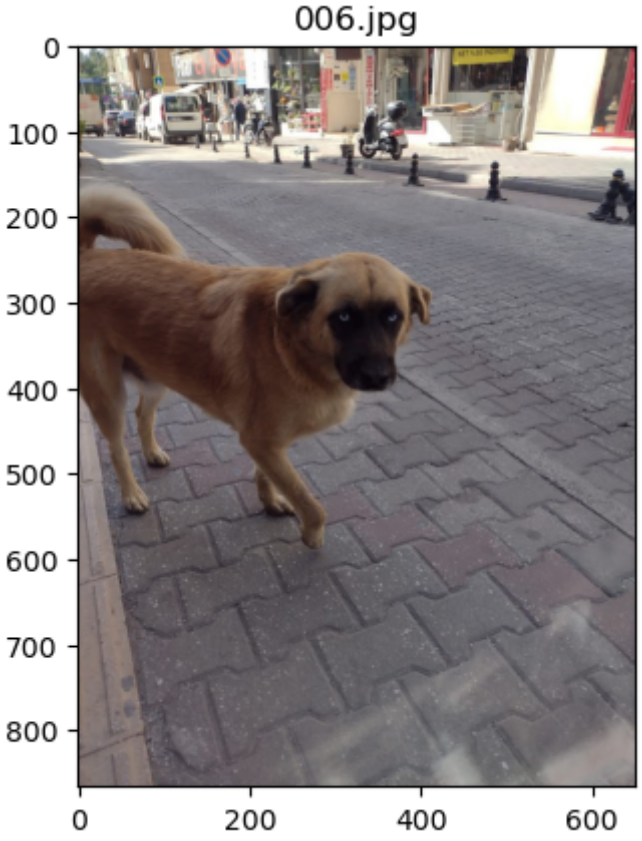
400
500
600


006.jpg
0
100
200
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400
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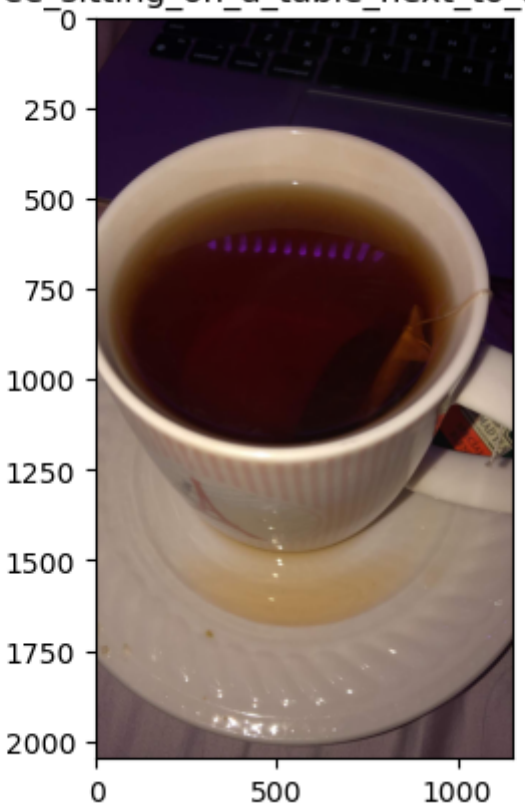
600
700
800
0
200
400
600

In [ ]:
```python
# do the name changing

for i in os.listdir(PATH):

    test = image_to_text(PATH + i)

    # replace the spaces with underscores
    text = test[0]['generated_text']

    text = text.replace(' ', '_')
    # rename the file
    os.rename(PATH + i, PATH + text + '.jpg')
```

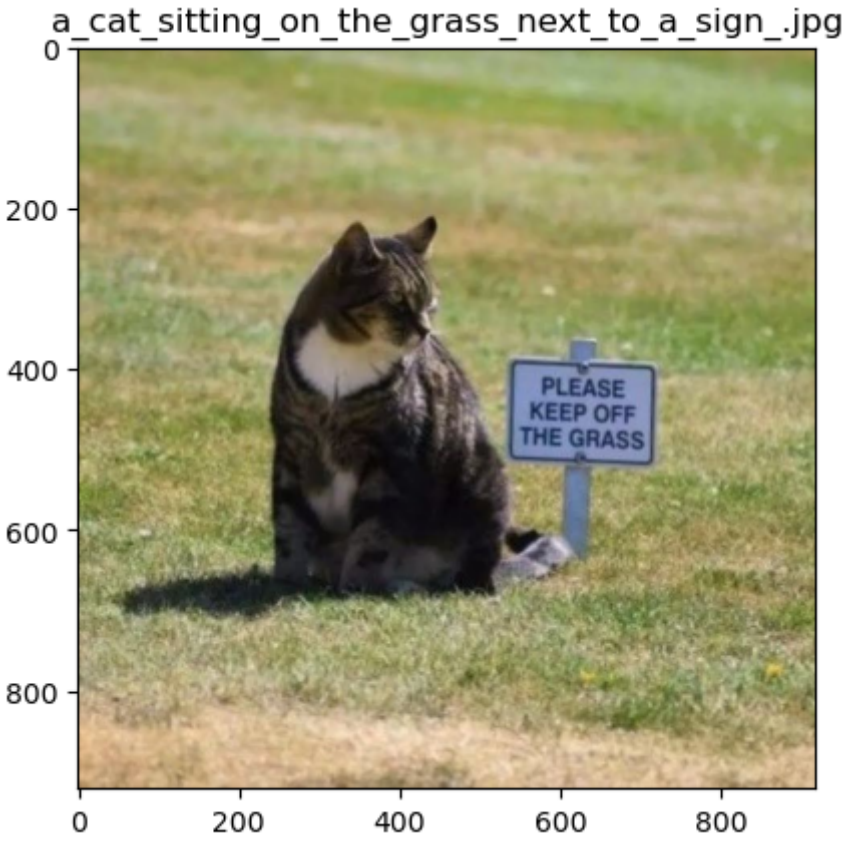
In [ ]:
```python
# show the images with the new names in matplotlib


for i in os.listdir(PATH):
    img = plt.imread(PATH + i)
    plt.imshow(img)
    plt.title(i)
    plt.show()
```

a_cup_of_coffee_sitting_on_a_table_next_to_a_white_plate_.jpg

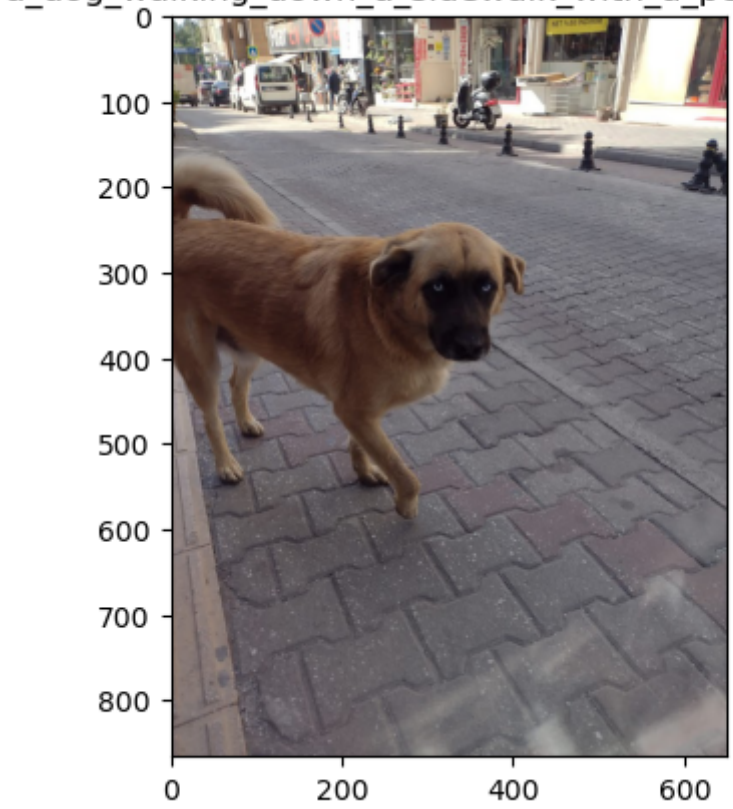


a_soccer_player_in_a_yellow_shirt_kicking_a_soccer_ball_.jpg


a_cow_standing_next_to_a_bunch_of_small_white_cows_.jpg
0
100
200
300
400
500
600
700
0
200
400
600
800
1000


a_cat_sitting_on_the_grass_next_to_a_sign_.jpg
0
200
400
600
800
0
200
400
600
800
PLEASE
KEEP OFF
THE GRASS

a_dog_walking_down_a_sidewalk_with_a_person_.jpg



a_book_with_a_bunch_of_books_on_it_.jpg

a_stuffed_bear_is_sitting_in_a_box_.jpg

a_duck_is_swimming_in_the_water_.jpg