rescale

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[]: import cv2 as cv
     # Rescaling video and images making them smaller
     img = cv.imread('Images/cat.jpg')
     cv.imshow('Cat', img)
[]: def rescaleFrmame(frame, scale= 0.75):
       # Images, Videos and Live Video
       width = int(frame.shape[1] * scale)# frame.shape[1] = width
      height = int(frame.shape[0] * scale)# frame.shape[0] = height
[]: dimensions = (width, height)
[]: return cv.resize(frame, dimensions, interpolation= cv.INTER_AREA)
    escale a image
[]: resized_image = rescaleFrmame(img)
     cv. imshow('Image', resized_image)
    hange the resolution
[]: def changeRes(width, height):
       # Only for live video
       capture.set(3, width)# 3 = width
       capture.set(4, height)# 4 = height
    Rescale a video
    Create a VideoCapture object
[]: capture = cv.VideoCapture('Videos/squirrel.mp4')
[]: while True:
         # Read the next frame from the video
         isTrue, frame = capture.read()
         frame_resized = rescaleFrmame(frame)
         # Display the frame
         cv.imshow('Video', frame)
```

```
cv.imshow('Video Resized', frame_resized)
cv.imshow()

# Break the loop if 'd' key is pressed
if cv.waitKey(20) & 0xFF == ord('d'):
    break
```

Release the VideoCapture object and close all windows

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[]: capture.release()
    cv.destroyAllWindows()
```