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Documentation: frameRate

Overview: The frameRate program gets the frame per second of a video. To get this the total time to capture 60 frames is recorded. The 60 frames is then divided by the time to get the frames per second

Classes: Time and cv2

Time: The time class was used to get the current time before and after capturing time. The function used was time.time(). This function returns the current UTC time in seconds. The after and before and capture times were subtracted to get the total time.

Links:

1. <https://docs.oracle.com/javase/7/docs/api/java/sql/Time.html>
2. <https://pynative.com/python-current-date-time/#:~:text=Get%20Current%20Time%20in%20Python,-There%20are%20many&text=time()-,Use%20the%20time.,the%20current%20time%20in%20seconds>.

Cv2: The cv2 class was used to utilize the camera. VideoCapture is a constructor that takes in an int input to determine which camera of device to capture from. The read method takes in and decodes frames. The release method ends video capturing.

Links:

1. <https://appdividend.com/2022/03/19/python-cv2-videocapture/>
2. https://docs.opencv.org/4.x/dd/d43/tutorial\_py\_video\_display.html