Assignment 7

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Assignment 7

- Develop a program which draws lines corresponding to lanes of a video
  - Read 'Road.mp4'
  - Use left_roi and right_roi defined in assignment 6
  - Perform line filtering and line merging
    - Line filtering: Use angle information of lines
      - Left_roi: Use lines whose angle is between 30 and 60 degress
      - Right_roi: Use lines whose angle is between 120 and 150 degress
    - Line merging
      - Take average of rho and theta of filtered lines
      - After line merging there should be one left-line and one right-line
  - The color of lines should be red
  - Each line should be reached to the boundary of a frame

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- Your program should display one windows
  - 'Frame'
  - Display frames which are between 0~20 seconds