# Python program to save a  
# video using OpenCV  
import cv2  
# Create an object to read  
# from camera  
video = cv2.VideoCapture(r"C:\Users\HP\Downloads\video.mp4")  
  
# We need to check if camera  
# is opened previously or not  
if (video.isOpened() == False):  
 print("Error reading video file")  
  
# We need to set resolutions.  
# so, convert them from float to integer.  
frame\_width = int(video.get(3))  
frame\_height = int(video.get(4))  
  
size = (frame\_width, frame\_height)  
  
# Below VideoWriter object will create  
# a frame of above defined The output  
# is stored in 'filename.avi' file.  
result = cv2.VideoWriter('filename.avi',  
 cv2.VideoWriter\_fourcc(\*'MJPG'),  
 10, size)  
  
while (True):  
 ret, frame = video.read()  
  
 if ret == True:  
  
 # Write the frame into the  
 # file 'filename.avi'  
 result.write(frame)  
  
 # Display the frame  
 # saved in the file  
 cv2.imshow('Frame', frame)  
  
 # Press S on keyboard  
 # to stop the process  
 if cv2.waitKey(1) & 0xFF == ord('s'):  
 break  
  
 # Break the loop  
 else:  
 break  
  
# When everything done, release  
# the video capture and video  
# write objects  
video.release()  
result.release()  
  
# Closes all the frames  
cv2.destroyAllWindows()  
  
print("The video was successfully saved")