```
import cv2

def reverse_video(input_path, output_path):
    # Open the original video
    cap = cv2.VideoCapture(r"C:\Users\SAIL\Downloads\CV\fountain.mp4")

    if not cap.isOpened():
        print("Error: Cannot open video file.")
        return

    # Get video properties
    frame_width  = int(cap.get(cv2.CAP_PROP_FRAME_WIDTH))
    frame_height = int(cap.get(cv2.CAP_PROP_FRAME_HEIGHT))
    fps          = cap.get(cv2.CAP_PROP_FPS)
    codec        = int(cap.get(cv2.CAP_PROP_FOURCC))

    # Read all frames and store them in a list
    frames = []
    while True:
        ret, frame = cap.read()
        if not ret:
            break
        frames.append(frame)

    cap.release()
```

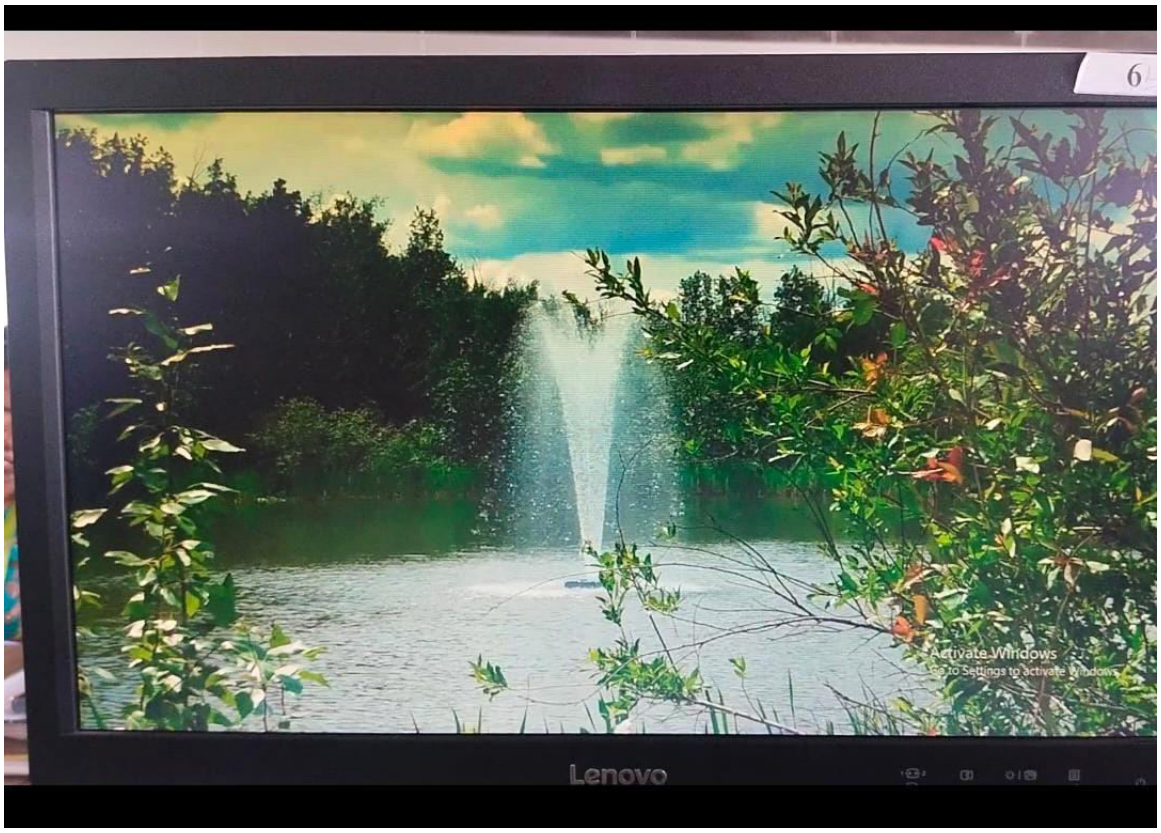
```
    # Reverse the list of frames
    frames.reverse()

    # Define the output video writer
    out = cv2.VideoWriter(output_path, cv2.VideoWriter_fourcc(*'mp4v'), fps, (frame_width, frame_height))

    for frame in frames:
        out.write(frame)

    out.release()
    print("✅ Reversed video saved as:", output_path)

# Example usage
reverse_video("input.mp4", "output_reversed.mp4")
```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