### **Task 29 :- Node.js Streams**

#### **Problem Statement:**

Your task is to create an Express.js application that demonstrates the use of Node.js streams for video streaming. Additionally, create a React frontend to interact with this streaming service.

#### **Problem Description:**

In this task, you will set up a server that streams video files to the client using Node.js streams. You will implement routes that handle video streaming. You will also create a React frontend to request and display the streamed video.

### **Backend (Express.js):**

1. **Connect to Video Files:**
   * Set up the Express.js server to serve video files.
   * Use the appropriate middleware to handle file streaming.
2. **Define Routes:**
   * Create a route to handle video streaming.
   * Handle range requests to enable smooth video streaming.
3. **Video Streaming Route:**
   * Implement the route for video streaming.
   * Ensure that the response is sent as a stream.

### **Frontend (React.js):**

1. **Form for Input:**
   * Create a form to select the video file to be streamed.
   * Define the form input fields.
2. **Submit Data:**
   * Handle the form submission to request video streaming.
   * Use the appropriate method to send the request to the backend.
3. **Display Video:**
   * Display the streamed video on the frontend.
   * Use the correct HTML elements to embed the video player.

### **Submission Guidelines:**

1. **Deployment:**
   * Deploy both the frontend and backend on Vercel.
2. **GitHub Repositories:**
   * Upload both frontend and backend files to GitHub.
   * Create a README file in the frontend repository that includes:
     + Links to the deployed frontend
     + Links to the deployed backend
     + Link to the backend GitHub repository

Submit the Frontend repo link in the Dashboard.

Example frontend repo link:-<https://github.com/aakashk1905/DummyFrontEnd>