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| **Sr. No** | **Title** | **Labs Needed** |
| 1 | Using MongoDb, create a collection called transactions in database user managed (drop if it already exists) and bulk load the data from a json file, transactions.json  Upsert the record from the new file called transactions\_upsert.json in MongoDb. | W1 |
| 2 | Query MongoDb with Conditions: [Create appropriate collection with necessary documents to answer the query]  a. Find any record where Name is Somu.  b. Find any record where total payment amount (Payment.Total) is 600.  c. Find any record where price (Transaction.price) is between 300 to 500. | W1 |
| 3 | Write node.js program to print the a car object properties, delete the second property and get length of the object | W2 |
| 4 | Implement all CRUD operations on a File System using Node JS | W3 |
| 5 | Develop a React code to build a simple search filter functionality to display a filtered list based on the search query entered by the user. | W4 |
| 6 | Develop a React code to collect data from rest API. | W4 |
| 7 | a. Read the data of a student containing USN, name, Sem, year\_of\_admission from NodeJS and store it in the MongoDb  b. For a partial name given in NodeJS, search all the names from MongoDb student documents created in Question(a) | W6 |
| 8 | Develop the application that sends fruit name and price data from client side to Node.js server using Ajax (axios) | W6 |
| 9 | Develop an authentication mechanism with email\_id and password using HTML and Express JS (POST method) | W6 |
| 10 | 1. Develop two routes: find\_prime\_100 and find\_cube\_100 which prints prime numbers less than 100 and cubes less than 100 using Express JS routing mechanism 2. Write a program to check request header for cookies. | W8 |