

**Subject: DBMS**

**Lab Assignment : 10**

**Aim:** Create a JSON document and write the JSON query to display the data.

**Objective:**

1. To understand the key structure elements of a json file: object names and values.
2. To study the core data types that json files can store including: boolean, numeric and string; hierarchical json structures including: objects, arrays and data elements.
3. To use MySQL JSON data type to store JSON documents in the database and perform CRUD operations.

**Theory:**

1. Introduction to JSON
2. Reading and Writing Files in Python
3. Writing to a JSON File
4. Introduction to MySQL and JSON data type
5. Benefits of MySQL and JSON connection
6. Limitation of MySQL and JSON connection

**Input:**

1. Read CSV file and convert it into json file with python
2. Read text file and convert it into json file with python
3. Database with JSON Data field

**Output:** Data as per request

**Platform:**

**Conclusion:** we have learned about the data types, libraries and methods to create JSON documents for storing and retrieving the data.

**FAQs:**

1. What is JSON?
2. Mention what is the rule for JSON syntax rules? Give an example of JSON object?
3. Mention what are the data types supported by JSON?
4. List out the uses of JSON?