|  |  |  |
| --- | --- | --- |
| **KCT Logo** | 1. **KUMARAGURU COLLEGE OF TECHNOLOGY,** 2. **COIMBATORE– 641 049** 3. **(An Autonomous Institution Affiliated to Anna University, Chennai)**   **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** |  |

**U18CSI5203-NOSQL DATABASES**

**III YEAR CSE A & B Date:06.08.2024**

**AB 7**

**INDEXING IN MONGO DB**

1. Using Mongoimport utility to import the person.json file and display the contents
2. Retrieve the default indexes on personData and brief about each field of the result.
3. Create Index on name field in descending order and display the index details using getIndexes().
4. Give a custom name to the age attribute and create the index and interpret the index details using getIndexes().
5. Use the unique index on index attribute with unique index option,
6. Create a Compound index for name,eyeColor and display the index details using getIndexes().
7. Use the explain() method to understand how long queries execution for the following query: display the details of the persons whose age is above 25.
8. Create a Partial Index on age field for the documents whose age is above 25. Check the index creation is successful or not. Justify the answer.
9. Explain about the output of explain() with each attribute listed.
10. Display the details of the persons whose age is above 25 and below 40. Use the executionStats and discuss about the output of the command.
11. Drop the index created on age and execute the getIndexes . Write the output .
12. Drop all indexes created for this collection.