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| A picture containing drawing, stop, room  Description automatically generated | Next Generation Technologies  Practical #6 | | |
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| **Subject/Course:** | NGT | | |
| **Topic** | MongoDB Aggregate Queries | | |
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| **MongoDB Aggregate Queries** | | | |
| Create a Collection Employee with the following Fields (Eid, Ename, Sal, City, hobbies) where hobbies are an array perform the Following Queries based on the collection.  A. Write a MongoDB query to use sum, avg, min and max expression.  B. Write a MongoDB query to use push and addToSet expression.  C. Write a MongoDB query to use first and last expression. | | | |
| **Create a Collection Employee with the following Fields (Eid, Ename, Sal, City, hobbies) where hobbies are an array perform the Following Queries based on the collection.**  Code  use mydb  show dbs  db.employee.insert({"Eid":1,"Ename":"Sandeep","Sal":999999,"City":"Mumbai","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":2,"Ename":"Sudhansu","Sal":999,"City":"Mumbai","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":3,"Ename":"Tanuj","Sal":9999,"City":"Pune","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":4,"Ename":"Sandeepjain","Sal":99999,"City":"Pune","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":5,"Ename":"Sahil","Sal":9999,"City":"Pune","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":6,"Ename":"Siddesh","Sal":99,"City":"Nashik","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":7,"Ename":"Jenish","Sal":9999999,"City":"Nashik","Hobbies":["cricket","football"]})  db.employee.insert({"Eid":8,"Ename":"Jatin","Sal":9999999,"City":"Nashik","Hobbies":["cricket","football"]})  Output  image    **A. Write a MongoDB query to use sum, avg, min and max expression.**  **1)Sum**  **Code**  db.employee.aggregate({$group:{\_id:"$City",sum\_Sal:{$sum:"$Sal"}}})  **Output**  image  **2)Avg**  **Code**  db.employee.aggregate({$group:{\_id:"$City",avg\_Sal:{$avg:"$Sal"}}})  **Output**  image  **3)Min**  **Code**  db.employee.aggregate({$group:{\_id:"$City",min\_Sal:{$min:"$Sal"}}})  **Output**  image  **4)Max**  **Code**  db.employee.aggregate({$group:{\_id:"$City",max\_Sal:{$max:"$Sal"}}})  **Output**  image  **B. Write a MongoDB query to use push and addToSet expression.**  **1)Push**  **Code**  db.employee.aggregate({$group:{\_id:"$City",push\_Sal:{$push:"$Sal"}}})  **Output**  image  **2)addToSet**  **Code**  db.employee.aggregate({$group:{\_id:"$City",addToSet\_Sal:{$addToSet:"$Sal"}}})  **Output**  image  **C. Write a MongoDB query to use first and last expression.**  **1)First**  **Code**  db.employee.aggregate({$group:{\_id:"$City",first\_Sal:{$first:"$Sal"}}})  **Output**  image  **2)Last**  **Code**  db.employee.aggregate({$group:{\_id:"$City",last\_Sal:{$last:"$Sal"}}})  **Output**  image | | | |