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| A picture containing drawing, stop, room  Description automatically generated | Next Generation Technologies  Practical #4 | | |
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| **Subject/Course:** | NGT | | |
| **Topic** | MongoDB Basics | | |
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| **MongoDB Basic Queries** | | | |
| * Create a database of your name * Create a “Student” collection * Insert at least 3 documents having following keys   + **roll\_no**   + **name**   + **gender**   + **age**   + **email\_id** * Display all records. * Update an email id of a student having “roll\_no = 2” to “student2@gmail.com” * Delete record of a student having “roll\_no = 1”. * Drop the collection “Student” * Drop the created database | | | |
| Starte mongo    Create database    Show database    Insert key and values  db.student.insert({"roll\_no":"58","name":"sandeep","gender":"male","age":"18","email\_id":"sandeep@gmail.com"})   > db.student.insert({"roll\_no":"60","name":"tanju","gender":"male","age":"20","email\_id":"tanju@gmail.com"})   > db.student.insert({"roll\_no":"01","name":"sushansu","gender":"male","age":"22","email\_id":"sudhandu@gmail.com"})   > db.use.find().prity()    Display all record  Code  db.student.find().pretty()  Output     * Update an email id of a student having “roll\_no = 2” to “student2@gmail.com”   Code  db.student.update({"Roll\_no":"60"},{$set:{"Email\_id":"student2@gmail.com"}})  Output       * Delete record of a student having “roll\_no = 1”.   Code  delete({"Roll\_no":"10"})  Output     * Drop the collection “Student”   Code  db.student.drop()  Output     * Drop the created database   Code  db.drop.sandeep  Output | | | |
| Create a Collection Employee with the following Fields  (Eid,Ename,Sal,City,Hobbies) where hobbies is an array perform the Following Queries based on the collection.   * Insert at least five records * Display first 3 employee’s data * Update salary of all employees to 50000 who belongs to Mumbai City * Update hobbies to “drawing” and “acting” of employee id “2” * Return number of employees who belongs to Pune City | | | |
| Create a Collection Employee  Code  Use sandeep  Output     * Insert at least five records   Code  db.emp.insertMany([{"Eid":"01","Ename":"emp1","Sal":"1000","City":"Mumbai","Hobbies":["Reading","Singing"]},{"Eid":"02","Ename":"emp2","Sal":"2000","City":"Mumbai","Hobbies":["Dancing","Running"]},{"Eid":"03","Ename":"emp3","Sal":"3000","City":"Nagpur","Hobbies":["Singing","Baseball"]},{"Eid":"04","Ename":"emp4","Sal":"4000","City":"Pune","Hobbies":["Football","Boxing"]},{"Eid":"05","Ename":"emp5","Sal":"5000","City":"Pune","Hobbies":["Studying","Trading"]}])  Output       * Display first 3 employee’s data   Code  db.emp.find().limit(3)  Output     * Update salary of all employees to 50000 who belongs to Mumbai City   Code  db.emp.updateMany({"City":"Mumbai"},{$set:{"Sal":"50000"}})  Output     * Update hobbies to “drawing” and “acting” of employee id “2”   Code  db.emp.update({"Eid":"02"},{$set:{"Hobbies":["Drawing","Acting"]}})  Output     * Return number of employees who belongs to Pune City   Code  db.emp.find({"City":"Pune"}).count()  Output | | | |