**Name : Kashid Raj Shivaji**

**Roll No: 13215**

**TE ‘B’**

**Practical No: 11**

**Please enter a MongoDB connection string (Default: mongodb://localhost/):**

**Current Mongosh Log ID: 634a4ffaf0311edf23cda7c1**

**Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.6.0**

**Using MongoDB: 6.0.2**

**Using Mongosh: 1.6.0**

**For mongosh info see: https://docs.mongodb.com/mongodb-shell/**

**------**

**The server generated these startup warnings when booting**

**2022-10-14T16:56:06.032+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted**

**------**

**------**

**Enable MongoDB's free cloud-based monitoring service, which will then receive and display**

**metrics about your deployment (disk utilization, CPU, operation statistics, etc).**

**The monitoring data will be available on a MongoDB website with a unique URL accessible to you**

**and anyone you share the URL with. MongoDB may use this information to make product**

**improvements and to suggest MongoDB products and deployment options to you.**

**To enable free monitoring, run the following command: db.enableFreeMonitoring()**

**To permanently disable this reminder, run the following command: db.disableFreeMonitoring()**

**------**

**test> show dbs**

**admin 40.00 KiB**

**book 72.00 KiB**

**config 72.00 KiB**

**local 40.00 KiB**

**test> use emp**

**switched to db emp**

**emp> db.emp.insert({id:1,name:"Ram",designation:"CEO"});**

**DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.**

**{**

**acknowledged: true,**

**insertedIds: { '0': ObjectId("634a5107a6ba85e9788afb14") }**

**}**

**emp> db.emp.insert({id:2,name:"Soham",designation:"CTO"});**

**{**

**acknowledged: true,**

**insertedIds: { '0': ObjectId("634a5154a6ba85e9788afb15") }**

**}**

**emp> db.emp.insert({id:3,name:"Mohan",designation:"Team Lead"});**

**{**

**acknowledged: true,**

**insertedIds: { '0': ObjectId("634a5175a6ba85e9788afb16") }**

**}**

**emp> db.emp.insert({id:4,name:"Rahul",designation:"Team Member"});**

**{**

**acknowledged: true,**

**insertedIds: { '0': ObjectId("634a5190a6ba85e9788afb17") }**

**}**

**emp> db.emp.insert({id:5,name:"Raj",designation:"Team Member"});**

**{**

**acknowledged: true,**

**insertedIds: { '0': ObjectId("634a51a4a6ba85e9788afb18") }**

**}**

**emp> db.emp.find()**

**[**

**{**

**\_id: ObjectId("634a5107a6ba85e9788afb14"),**

**id: 1,**

**name: 'Ram',**

**designation: 'CEO'**

**},**

**{**

**\_id: ObjectId("634a5154a6ba85e9788afb15"),**

**id: 2,**

**name: 'Soham',**

**designation: 'CTO'**

**},**

**{**

**\_id: ObjectId("634a5175a6ba85e9788afb16"),**

**id: 3,**

**name: 'Mohan',**

**designation: 'Team Lead'**

**},**

**{**

**\_id: ObjectId("634a5190a6ba85e9788afb17"),**

**id: 4,**

**name: 'Rahul',**

**designation: 'Team Member'**

**},**

**{**

**\_id: ObjectId("634a51a4a6ba85e9788afb18"),**

**id: 5,**

**name: 'Raj',**

**designation: 'Team Member'**

**}**

**]**

**emp> db.emp.find({name:"Soham"}).explain()**

**{**

**explainVersion: '1',**

**queryPlanner: {**

**namespace: 'emp.emp',**

**indexFilterSet: false,**

**parsedQuery: { name: { '$eq': 'Soham' } },**

**queryHash: '64908032',**

**planCacheKey: '64908032',**

**maxIndexedOrSolutionsReached: false,**

**maxIndexedAndSolutionsReached: false,**

**maxScansToExplodeReached: false,**

**winningPlan: {**

**stage: 'COLLSCAN',**

**filter: { name: { '$eq': 'Soham' } },**

**direction: 'forward'**

**},**

**rejectedPlans: []**

**},**

**command: { find: 'emp', filter: { name: 'Soham' }, '$db': 'emp' },**

**serverInfo: {**

**host: 'MSI',**

**port: 27017,**

**version: '6.0.2',**

**gitVersion: '94fb7dfc8b974f1f5343e7ea394d0d9deedba50e'**

**},**

**serverParameters: {**

**internalQueryFacetBufferSizeBytes: 104857600,**

**internalQueryFacetMaxOutputDocSizeBytes: 104857600,**

**internalLookupStageIntermediateDocumentMaxSizeBytes: 104857600,**

**internalDocumentSourceGroupMaxMemoryBytes: 104857600,**

**internalQueryMaxBlockingSortMemoryUsageBytes: 104857600,**

**internalQueryProhibitBlockingMergeOnMongoS: 0,**

**internalQueryMaxAddToSetBytes: 104857600,**

**internalDocumentSourceSetWindowFieldsMaxMemoryBytes: 104857600**

**},**

**ok: 1**

**}**

**emp> db.emp.ensureIndex({name:2})**

**[ 'name\_2' ]**

**emp> db.emp.find({name:"Soham"}).explain()**

**{**

**explainVersion: '1',**

**queryPlanner: {**

**namespace: 'emp.emp',**

**indexFilterSet: false,**

**parsedQuery: { name: { '$eq': 'Soham' } },**

**queryHash: '64908032',**

**planCacheKey: 'A6C0273F',**

**maxIndexedOrSolutionsReached: false,**

**maxIndexedAndSolutionsReached: false,**

**maxScansToExplodeReached: false,**

**winningPlan: {**

**stage: 'FETCH',**

**inputStage: {**

**stage: 'IXSCAN',**

**keyPattern: { name: 2 },**

**indexName: 'name\_2',**

**isMultiKey: false,**

**multiKeyPaths: { name: [] },**

**isUnique: false,**

**isSparse: false,**

**isPartial: false,**

**indexVersion: 2,**

**direction: 'forward',**

**indexBounds: { name: [ '["Soham", "Soham"]' ] }**

**}**

**},**

**rejectedPlans: []**

**},**

**command: { find: 'emp', filter: { name: 'Soham' }, '$db': 'emp' },**

**serverInfo: {**

**host: 'MSI',**

**port: 27017,**

**version: '6.0.2',**

**gitVersion: '94fb7dfc8b974f1f5343e7ea394d0d9deedba50e'**

**},**

**serverParameters: {**

**internalQueryFacetBufferSizeBytes: 104857600,**

**internalQueryFacetMaxOutputDocSizeBytes: 104857600,**

**internalLookupStageIntermediateDocumentMaxSizeBytes: 104857600,**

**internalDocumentSourceGroupMaxMemoryBytes: 104857600,**

**internalQueryMaxBlockingSortMemoryUsageBytes: 104857600,**

**internalQueryProhibitBlockingMergeOnMongoS: 0,**

**internalQueryMaxAddToSetBytes: 104857600,**

**internalDocumentSourceSetWindowFieldsMaxMemoryBytes: 104857600**

**},**

**ok: 1**

**}**

**emp> db.emp.dropIndexes()**

**{**

**nIndexesWas: 2,**

**msg: 'non-\_id indexes dropped for collection',**

**ok: 1**

**}**