WORKLOAD QUERIES: -

I have taken one collection named parcels which have two documents in a MongoDB collection with fields such as \_id, parcelid, parcelarea, zoning, landuse, and ownership. Let's create some workload queries based on this data:

Find Documents by Parcel ID:

Query to find a document by its parcelid:

javascript

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db.collection.find({ parcelid: "345" })

Find Documents by Parcel Area:

Query to find documents with a specific parcelarea:

javascript

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db.collection.find({ parcelarea: "567 sqft" })

Find Documents by Zoning Type:

Query to find documents with a certain zoning type:

javascript

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db.collection.find({ zoning: "r-3" })

Find Documents by Land Use:

Query to find documents with a specific landuse:

javascript

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db.collection.find({ landuse: "joint family" })

Find Documents by Ownership:

Query to find documents based on ownership type:

javascript

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db.collection.find({ ownership: "public" })

These queries demonstrate how you can retrieve documents from your MongoDB collection based on different fields such as parcelid, parcelarea, zoning, landuse, and ownership. Adjust the field names and values as per your actual data structure and requirements.

Update Building Age:

Query to update the buildingage of a specific building based on its buildingid:

javascript

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db.collection.updateOne({ buildingid: "23" }, { $set: { buildingage: "16 years" } })

Update Building Type:

Query to update the buildingtype of a specific building based on its buildingid:

javascript

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db.collection.updateOne({ buildingid: "34" }, { $set: { buildingtype: "residential" } })

Add New Building Document:

Query to insert a new building document into the collection:

javascript

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db.collection.insertOne({

buildingid: "789",

buildingtype: "commercial",

buildingfloor: 5,

buildingage: "10 years",

buildingfootprint: "600 sqft"

})

Delete Building Document:

Query to delete a building document based on its buildingid:

javascript

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db.collection.deleteOne({ buildingid: "456" })

Count Residential Buildings:

Query to count the number of documents with buildingtype as "residential":

javascript

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db.collection.countDocuments({ buildingtype: "residential" })

These queries demonstrate various operations such as updating documents, inserting new documents, deleting documents, and counting documents based on specific criteria in your MongoDB collection. Adjust the field names, values, and operations as per your actual data structure and requirements.