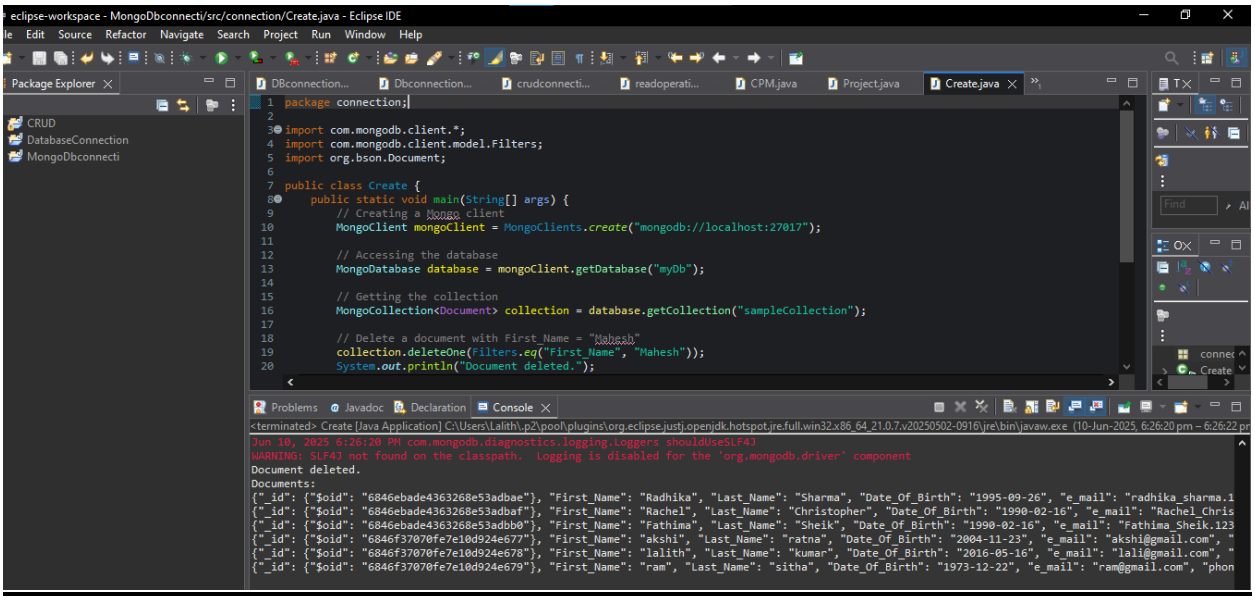
MONGODB

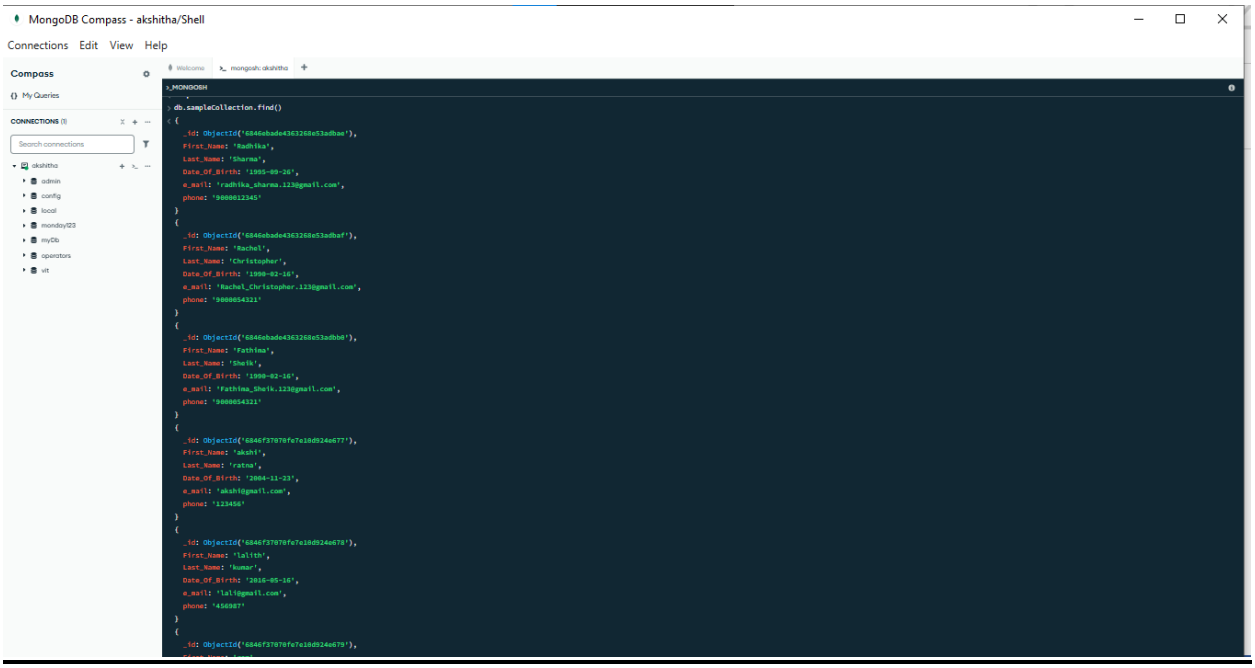
DELETION OF RECORD:

```
package connection;

import com.mongodb.client.*;
import com.mongodb.client.model.Filters;
import org.bson.Document;

public class Create {
    public static void main(String[] args) {
        // Creating a Mongo client
        MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");

        // Accessing the database
        MongoDatabase database = mongoClient.getDatabase("myDb");

        // Getting the collection
        MongoCollection<Document> collection = database.getCollection("sampleCollection");

        // Delete a document with First_Name = "Mahesh"
        collection.deleteOne(Filters.eq("First_Name", "Mahesh"));
        System.out.println("Document deleted.");

        // Find and print all remaining documents
        FindIterable<Document> documents = collection.find();
        System.out.println("Documents:");
        for (Document document : documents) {
            System.out.println(document.toJson());
```

```
        }

        // Closing the client connection
        mongoClient.close();
    }
}
```



MONGODB:

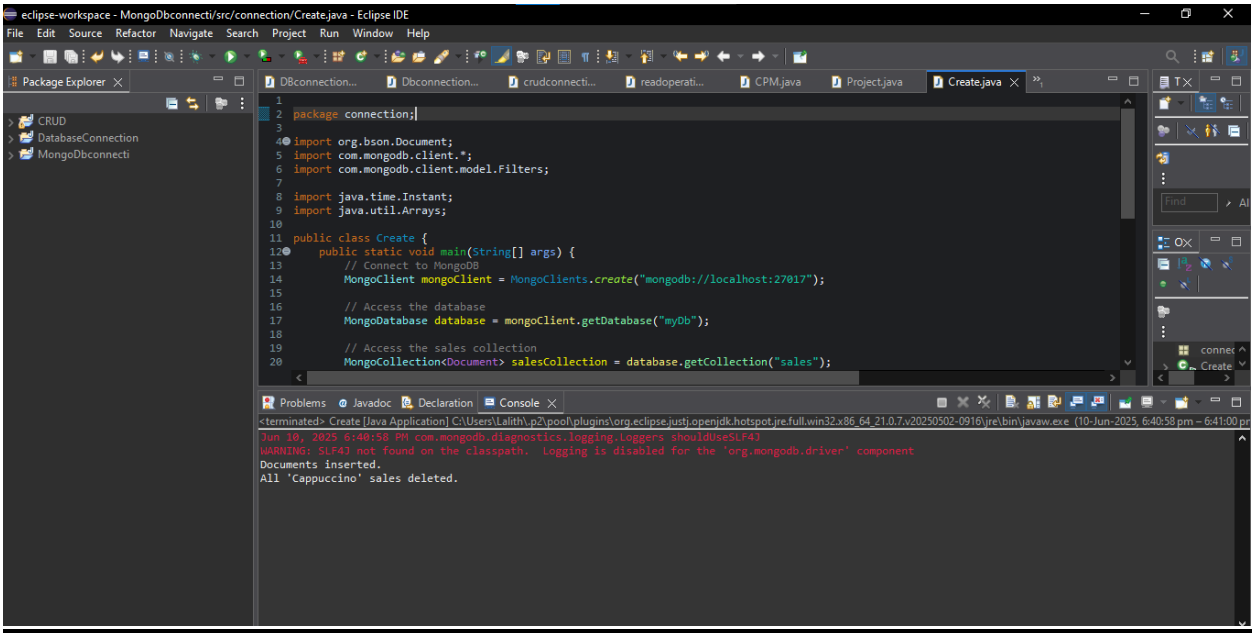


Deleting many recods where there is a cappuccino:

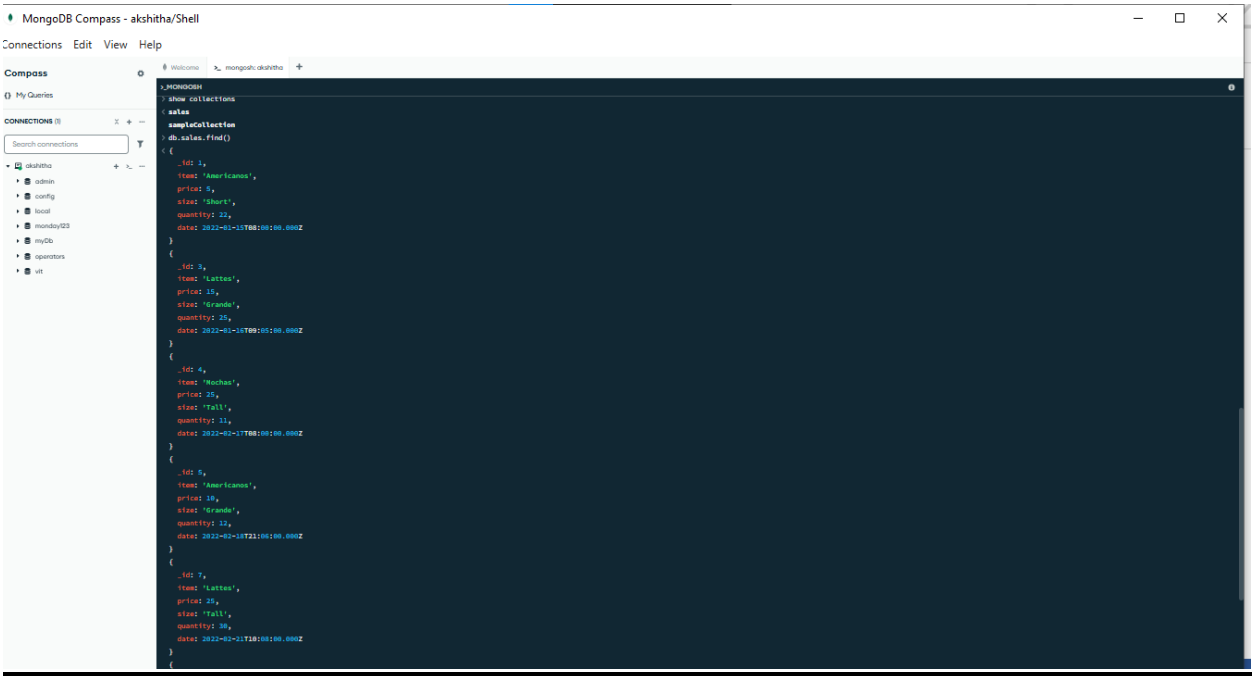
```
package connection;


import org.bson.Document;
import com.mongodb.client.*;
import com.mongodb.client.model.Filters;


import java.time.Instant;
import java.util.Arrays;


public class Create {
    public static void main(String[] args) {
        // Connect to MongoDB
        MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");


        // Access the database
```

```
MongoDatabase database = mongoClient.getDatabase("myDb");


// Access the sales collection
MongoCollection<Document> salesCollection = database.getCollection("sales");


// Insert data (only if needed — comment this block out if already inserted)
salesCollection.insertMany(Arrays.asList(
    new Document("_id", 1).append("item", "Americanos").append("price", 5).append("size", "Short").append("quantity", 22).append("date", Instant.parse("2022-01-15T08:00:00Z")),
    new Document("_id", 2).append("item", "Cappuccino").append("price", 6).append("size", "Short").append("quantity", 12).append("date", Instant.parse("2022-01-16T09:00:00Z")),
    new Document("_id", 3).append("item", "Lattes").append("price", 15).append("size", "Grande").append("quantity", 25).append("date", Instant.parse("2022-01-16T09:05:00Z")),
    new Document("_id", 4).append("item", "Mochas").append("price", 25).append("size", "Tall").append("quantity", 11).append("date", Instant.parse("2022-02-17T08:00:00Z")),
    new Document("_id", 5).append("item", "Americanos").append("price", 10).append("size", "Grande").append("quantity", 12).append("date", Instant.parse("2022-02-18T21:06:00Z")),
    new Document("_id", 6).append("item", "Cappuccino").append("price", 7).append("size", "Tall").append("quantity", 20).append("date", Instant.parse("2022-02-20T10:07:00Z")),
    new Document("_id", 7).append("item", "Lattes").append("price", 25).append("size", "Tall").append("quantity", 30).append("date", Instant.parse("2022-02-21T10:08:00Z")),
    new Document("_id", 8).append("item", "Americanos").append("price", 10).append("size", "Grande").append("quantity", 21).append("date", Instant.parse("2022-02-22T14:09:00Z")),
    new Document("_id", 9).append("item", "Cappuccino").append("price", 10).append("size", "Grande").append("quantity", 17).append("date", Instant.parse("2022-02-23T14:09:00Z")),
    new Document("_id", 10).append("item", "Americanos").append("price", 8).append("size", "Tall").append("quantity", 15).append("date", Instant.parse("2022-02-25T14:09:00Z"))
```

```
        ));

        System.out.println("Documents inserted.");

        // Delete all documents where item is "Cappuccino"
        salesCollection.deleteMany(Filters.eq("item", "Cappuccino"));
        System.out.println("All 'Cappuccino' sales deleted.");

        mongoClient.close();
    }
}
```

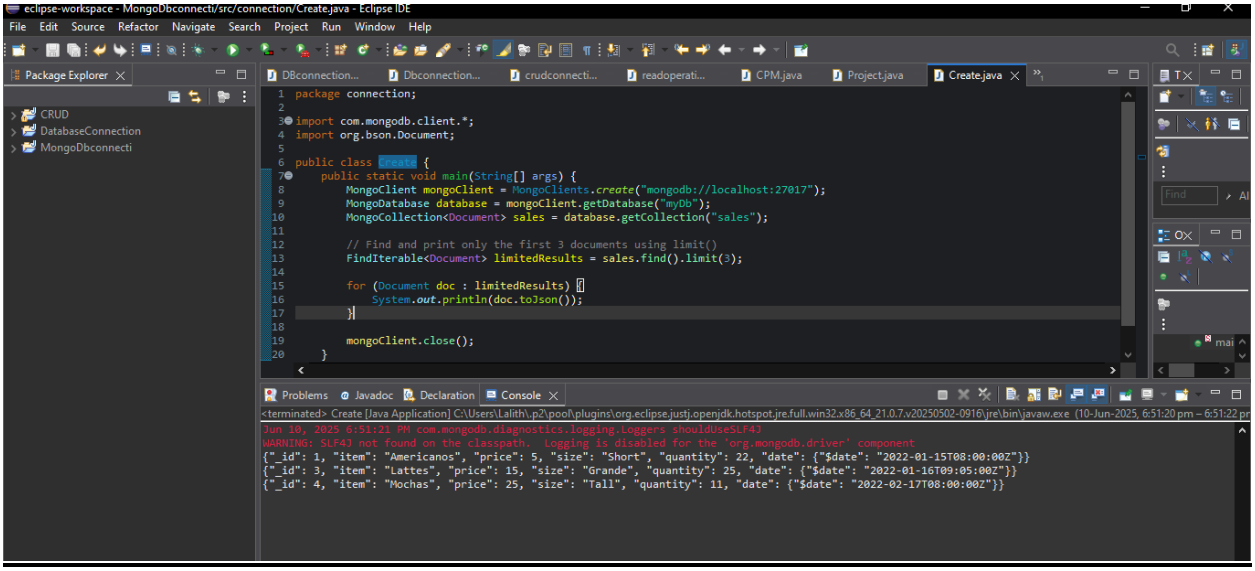


MONGODB:



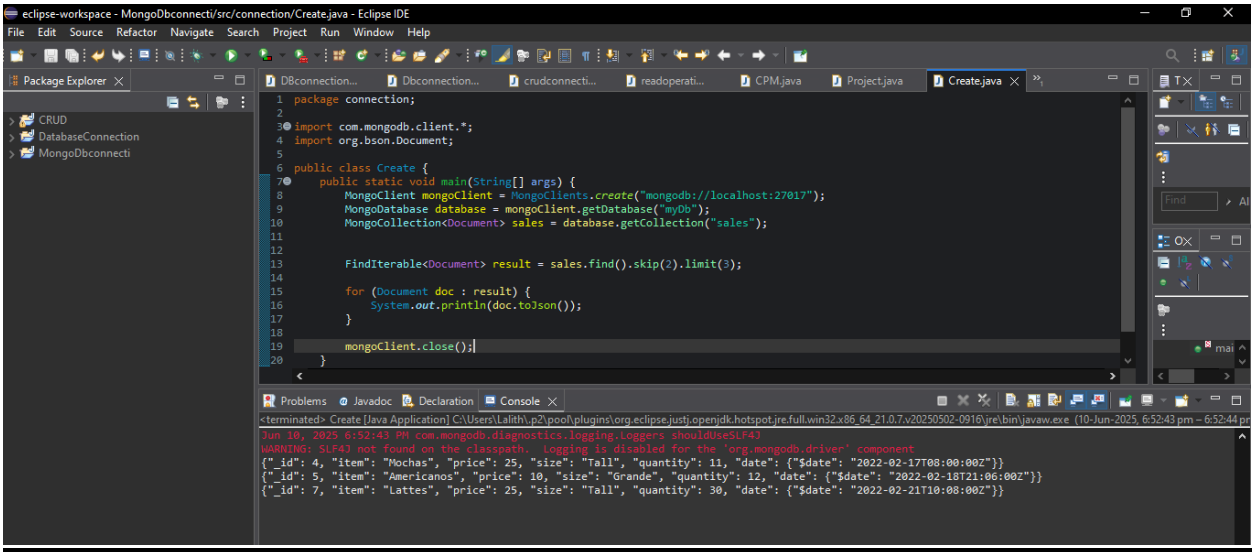
Limit method:

FindIterable<Document> limitedResults = sales.find().limit(3);

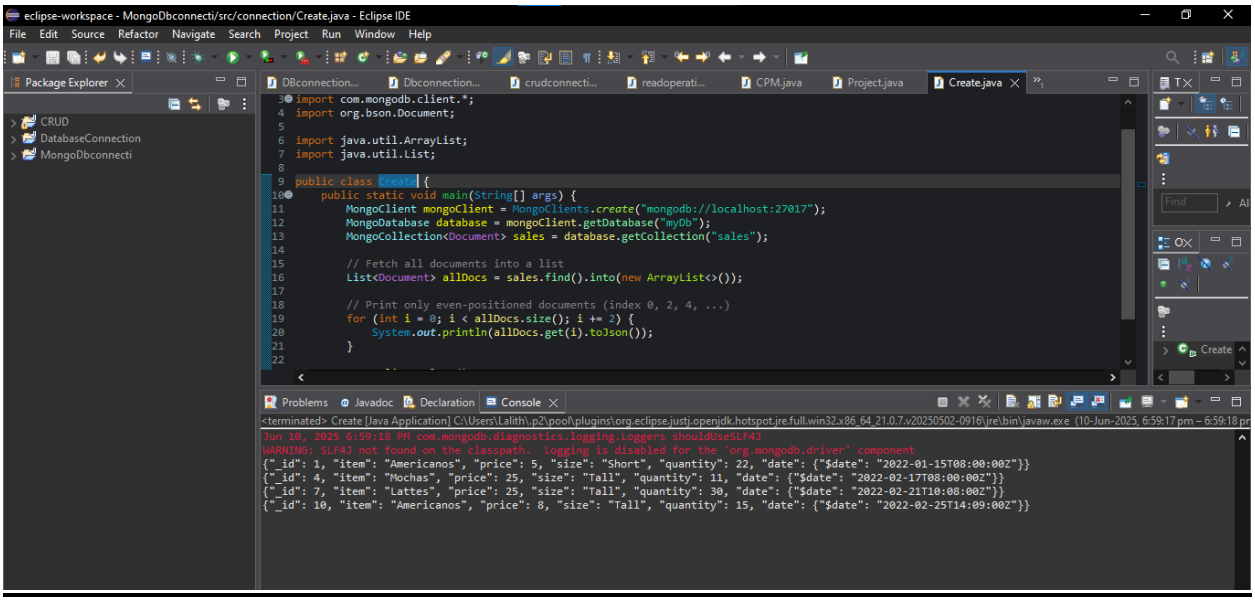


SKIP:

FindIterable<Document> result = sales.find().skip(2).limit(3);



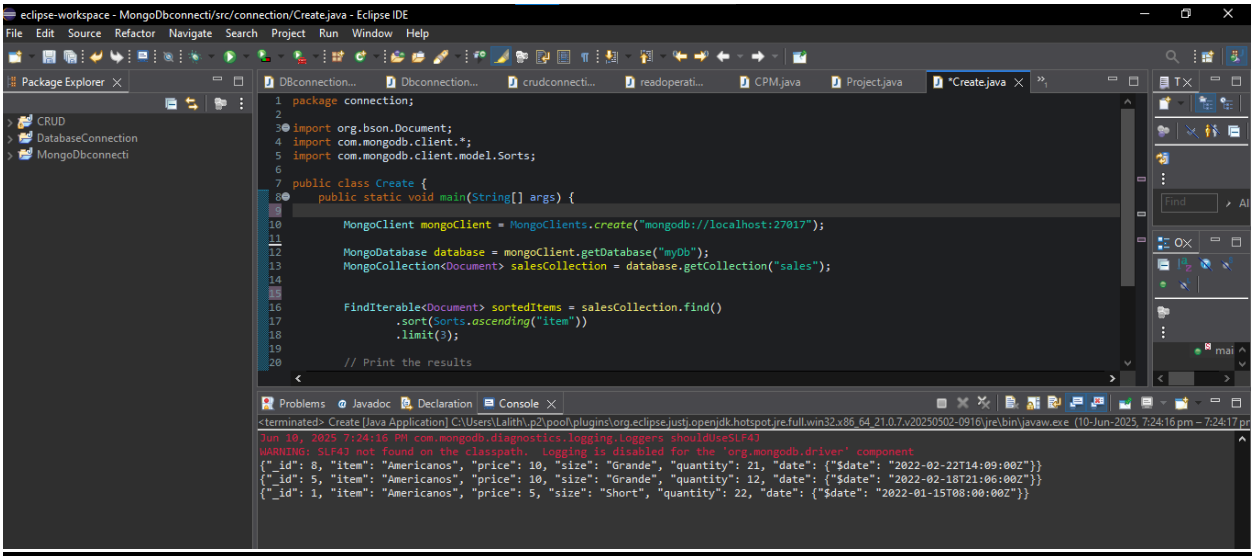
Even position:



Sort method:

FindIterable<Document> sortedItems = salesCollection.find() .sort(Sorts.*ascending*("item"))

.limit(3);


eclipse-workspace - MongoDbconnecti/src/connection/Create.java - Eclipse IDE
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Package Explorer
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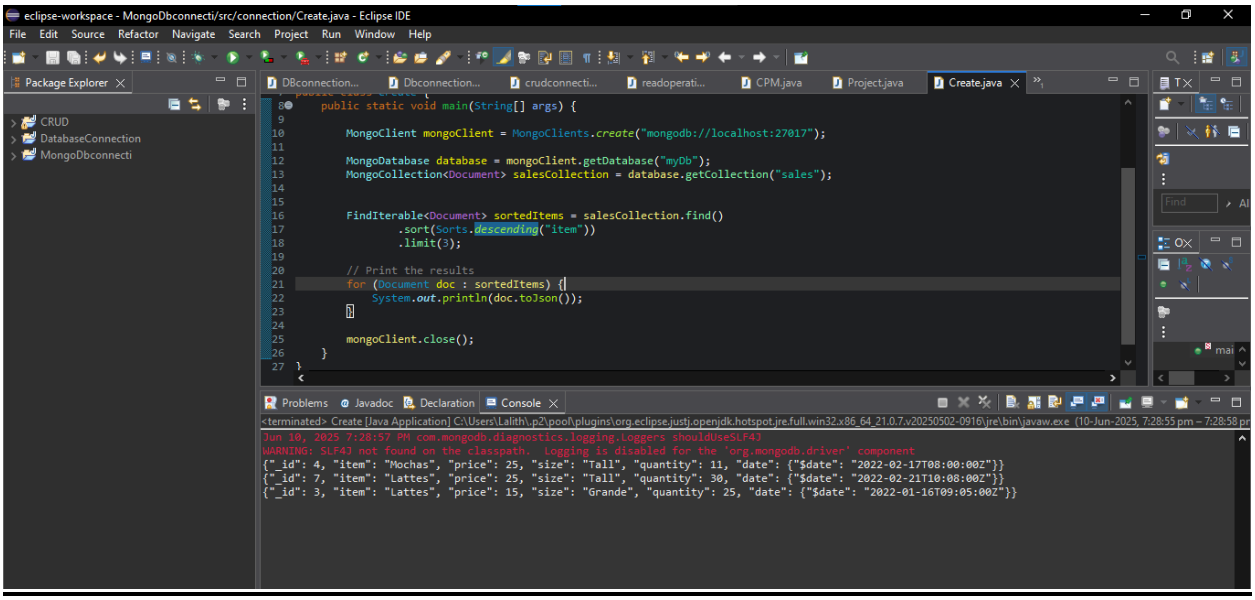
CPM.java
Project.java
*Create.java
package connection;
import org.bson.Document;
import com.mongodb.client.*;
import com.mongodb.client.model.Sorts;
public class Create {
public static void main(String[] args) {
MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");
MongoDatabase database = mongoClient.getDatabase("myDb");
MongoCollection<Document> salesCollection = database.getCollection("sales");
FindIterable<Document> sortedItems = salesCollection.find()
.sort(Sorts.ascending("item"))
.limit(3);
// Print the results
Problems Javadoc Declaration Console
<terminated> Create [Java Application] C:\Users\Lalith\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.7.v20250502-0916\jre\bin\javaw.exe (10-Jun-2025, 7:24:16 pm – 7:24:17 pm)
Jun 10, 2025 7:24:16 PM com.mongodb.diagnostics.logging.Loggers shouldUseSLF4J
WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component
{"_id": 8, "item": "Americanos", "price": 10, "size": "Grande", "quantity": 21, "date": {"$date": "2022-02-22T14:09:00Z"}}
{"_id": 5, "item": "Americanos", "price": 10, "size": "Grande", "quantity": 12, "date": {"$date": "2022-02-18T21:06:00Z"}}
{"_id": 1, "item": "Americanos", "price": 5, "size": "Short", "quantity": 22, "date": {"$date": "2022-01-15T08:00:00Z"}}

Descending: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CPM.java
Project.java
Create.java
public static void main(String[] args) {
MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");
MongoDatabase database = mongoClient.getDatabase("myDb");
MongoCollection<Document> salesCollection = database.getCollection("sales");
FindIterable<Document> sortedItems = salesCollection.find()
.sort(Sorts.descending("item"))
.limit(3);
// Print the results
for (Document doc : sortedItems) {
System.out.println(doc.toJson());
}
mongoClient.close();
}
}
Problems Javadoc Declaration Console
<terminated> Create [Java Application] C:\Users\Lalith\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.7.v20250502-0916\jre\bin\javaw.exe (10-Jun-2025, 7:28:55 pm – 7:28:58 pm)
Jun 10, 2025 7:28:57 PM com.mongodb.diagnostics.logging.Loggers shouldUseSLF4J
WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component
{"_id": 4, "item": "Mochas", "price": 25, "size": "Tall", "quantity": 11, "date": {"$date": "2022-02-17T08:00:00Z"}}
{"_id": 7, "item": "Lattes", "price": 25, "size": "Tall", "quantity": 30, "date": {"$date": "2022-02-21T10:08:00Z"}}
{"_id": 3, "item": "Lattes", "price": 15, "size": "Grande", "quantity": 25, "date": {"$date": "2022-01-16T09:05:00Z"}}