

The screenshot shows the IntelliJ IDEA interface. The left pane displays the project structure under 'enrutador' with packages like 'idea', 'maven', 'db', 'docs', 'src', and 'main'. The 'main/java/com/example/enrutador/ordenesmultitarea/service' package is expanded, showing classes like 'OrdenController', 'entity', 'exception', 'mapper', 'repository', and 'OrdenService'. The right pane shows the run log for 'OrdenesMultitareaApplication'. The log output includes:

```

2025-11-01T09:38:15.898-05:00 INFO 19364 --- [enrutador] [main] c.e.e.o.OrdenesMultitareaApplication : No active profile set, falling back to default profiles: [tomcat]
2025-11-01T09:38:17.385-05:00 INFO 19364 --- [enrutador] [main] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data repository scan for repository interfaces...
2025-11-01T09:38:18.230-05:00 INFO 19364 --- [enrutador] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http://localhost:8080)
2025-11-01T09:38:18.254-05:00 INFO 19364 --- [enrutador] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-11-01T09:38:18.254-05:00 INFO 19364 --- [enrutador] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.82]
2025-11-01T09:38:18.332-05:00 INFO 19364 --- [enrutador] [main] o.a.c.c.[Tomcat].[localhost].[] : Initializing Spring embedded WebApp...
2025-11-01T09:38:18.333-05:00 INFO 19364 --- [enrutador] [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialized at [2025-11-01T09:38:18.333-05:00]
2025-11-01T09:38:18.564-05:00 INFO 19364 --- [enrutador] [main] o.hibernate.jpa.internal.util.LogHelper : HHH0000204: Processing PersistenceUnitInit...

```

The status bar at the bottom shows the date and time as 9:38 a.m. 1/11/2025.

sistema corriendo con todos sus componentes funcionando

The screenshot shows the MySQL Workbench interface. The top navigation bar includes tabs for 'Servidor', 'Base de datos', 'ordenes\_multitarea', 'Estructura', 'SQL', 'Buscar', 'Generar una consulta', 'Exportar', 'Importar', 'Operaciones', 'Privilegios', 'Rutinas', 'Eventos', and 'Disparadores'. The main area displays the structure of the 'ordenes\_multitarea' database, specifically the 'Estructura' tab. It shows four tables:

Tabla	Acción	Filas	Tipo	Cotejamiento	Tamaño	Residuo a depurar
areas	Examinar Estructura Buscar Insertar Vaciar Eliminar	4	InnoDB	utf8mb4_unicode_ci	48.0 KB	-
historial	Examinar Estructura Buscar Insertar Vaciar Eliminar	6	InnoDB	utf8mb4_unicode_ci	48.0 KB	-
ordenes	Examinar Estructura Buscar Insertar Vaciar Eliminar	6	InnoDB	utf8mb4_unicode_ci	48.0 KB	-
orden_area	Examinar Estructura Buscar Insertar Vaciar Eliminar	9	InnoDB	utf8mb4_unicode_ci	64.0 KB	-

Below the table list, there is a 'Filtros' (Filters) section with a search input field. At the bottom, there are buttons for 'Imprimir' (Print) and 'Diccionario de datos' (Data dictionary). A 'Crear nueva tabla' (Create new table) dialog box is open, prompting for the table name ('Nombre de la tabla') and number of columns ('Número de columnas'), with a value of 4 entered.

base de datos con todas las tablas pertinentes creadas para las pruebas los ejercicios necesarios funcionando correctamente

The screenshot shows a Java development environment with the following details:

- Project View:** Shows the project structure under "Project". Key components include `ordenAreaService`, `ordenService`, `ordenServiceImpl`, `util`, `OrdenesMultiareaApplication`, `resources`, `static`, `application.properties`, `test`, `java`, and `com.example.enrutador.ordenesmultiarea.service`.
- Code Editor:** Displays the file `TickRulesTest.java` with the following content:

```
import com.example.enrutador.ordenesmultiarea.entity.OrdenArea;
import com.example.enrutador.ordenesmultiarea.repository.HistorialRepository;
import com.example.enrutador.ordenesmultiarea.repository.OrdenAreaRepository;
import com.example.enrutador.ordenesmultiarea.repository.OrdenRepository;
import com.example.enrutador.ordenesmultiarea.util.EstadoEnum;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.test.context.SpringBootTest;
import org.springframework.transaction.annotation.Transactional;

import java.util.List;

import static org.junit.jupiter.api.Assertions.assertEquals;
import static org.junit.jupiter.api.Assertions.assertTrue;

/**
```
- Run Tab:** Shows the selected run configuration: `EnrutadorApplicationTests`.
- Terminal:** Displays the command: `"C:\Program Files\Java\jdk-21\bin\java.exe" ...`
- Bottom Status Bar:** Includes file paths, encoding (CRLF), and system status (CPU usage, battery level, network, time).

apartado de pruebas ejecutandose y funcionando de manera correcta con las pruebas pertinentes y necesarias

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