1. For Backend Tests:

```
# Run all tests
./mvnw test

# Run specific test
./mvnw test -Dtest=LeaderboardControllerTest
```

2. For Database Test Data:

```
# Connect to MySQL in Docker
docker exec -it coderush-db mysql -uroot -prootpassword

# Run the script
mysql> source /path/to/test_data.sql
```

3. For Frontend Tests:

```
# Install testing dependencies
npm install --save-dev @testing-library/react
@testing-library/jest-dom

# Run tests
npm test
```