NAME: AKSHAY S RATHOD

SQL PROJECT

PROJECT TITLE: RAILWAY MANAGEMENT SYSTEM

Overview: It is a Railway Management system in which a user can book tickets, cancel reservations, check fares etc.

1. Book a Ticket: Users can book a ticket
2. Cancel a Booking: Users can cancel a booked ticket
3. Check Fares: Users can check fares before booking
4. Show my Bookings: User can check their bookings
5. Show Available Trains: Users can see the available trains

DATABASE DESIGN

DATABASE:TEST

Text

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TABLES:

.availabletrains

.bookrailticket

.cancelticket

.checkfair

.railsystem

.showmybookings

.users

Text

Description automatically generated

CREATING TABLES:

RAILSYSTEM

Text

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CHECKFAIR

Text

Description automatically generated

CANCELTICKET:

Text

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SHOWMYBOOKINGS:

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AVAILABLETRAINS:

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CANCELTICKET:

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DATA DEFINITION LANGUAGE (DDL):

A)CREATING TABLES

1.AVAILABLETRAINS

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2.BOOKRAILTICKET

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3.CANCELTICKET

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4.CHECKFAIR

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5.SHOWMYBOOKINGS

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6.RAILSYSTEM

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B) ALTER TABLE

.ALTER TABLE ADD COLUMN

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.ALTER TABLE MODIFY COLUMN

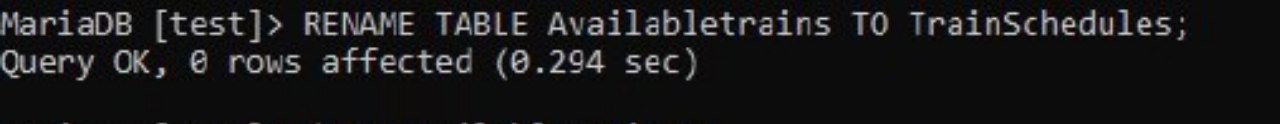
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RENAME TABLE

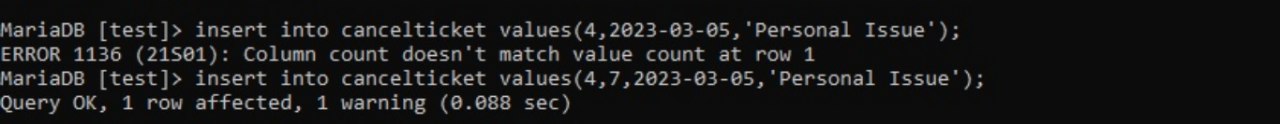


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DATA MANIPULATION LANGUAGE(DML)

.INSERT INTO TABLE



UPDATE INTO TABLE

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DELETE INTO TABLE

Text

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DATA QUERY LANGUAGE (DQL)

.ORDERBY QUERY DESC

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.ORDERBY QUERY ASC

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LIMIT QUERY

Graphical user interface

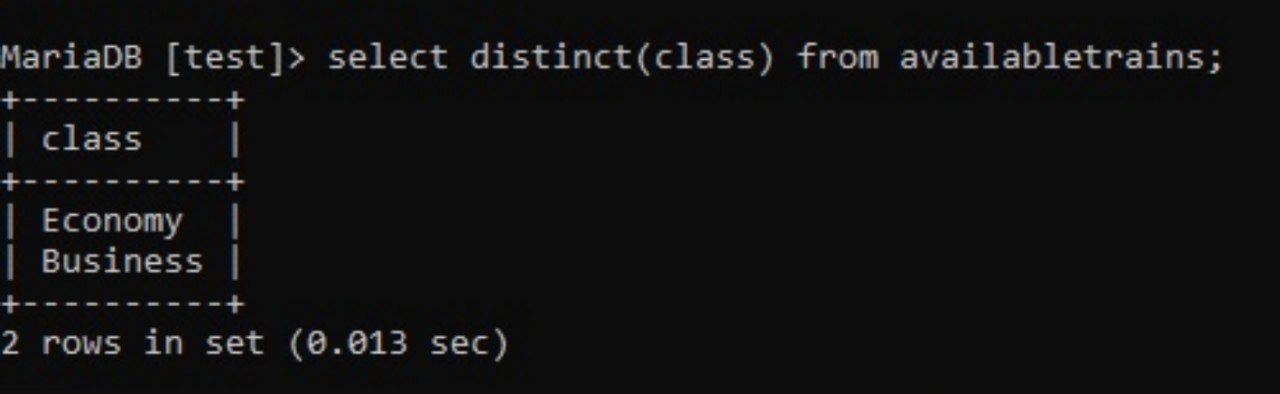
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SELECT QUERY WITH SPECIFIC COLUMN

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DISTINCT QUERY



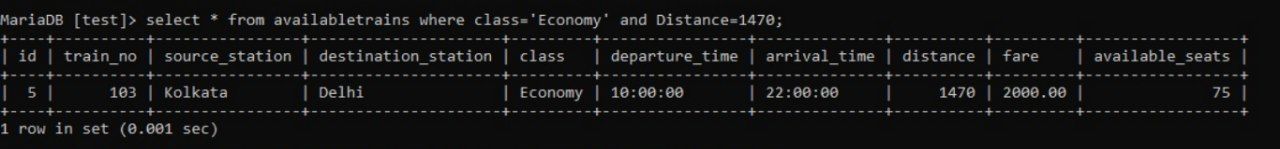
USING WHERE CLAUSE

Graphical user interface, text

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USING LOGICAL OPERATOR

\*AND OPERATOR

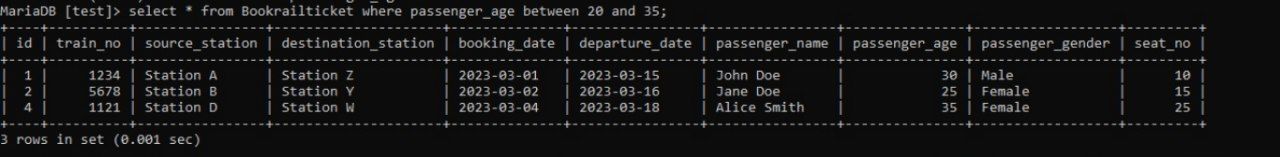


\*OR OPERATOR

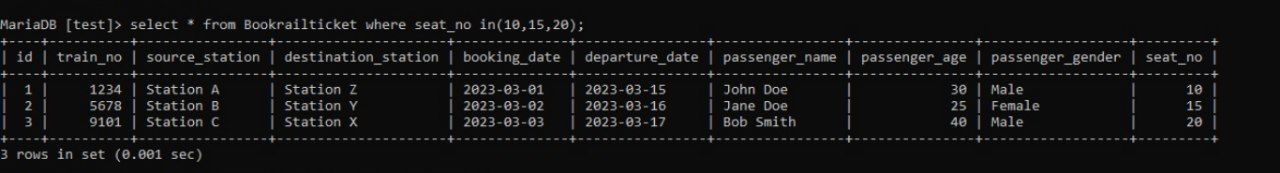
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\*BETWEEN CLAUSE



\*IN CLAUSE



AGGREGATE FUNCTION

-COUNT FUNCTION

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-AVERAGE FUNCTION

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-SUM FUNCTION

Graphical user interface, text, application

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GROUP BY CLAUSE

Text

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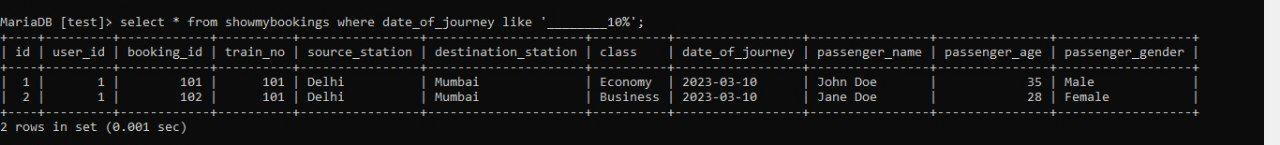
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LIKE OPERATOR

Graphical user interface, text

Description automatically generated



UNION

Text

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JOINS

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Graphical user interface

Description automatically generated

SUBQUERY

Graphical user interface

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VIEWS

Text

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