SQLKata Progress Report

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1. UrbanTransit Metro Route & Passenger Insights (ID: 57)

Tags: post-midterm-gu-3rd-sem-28
Submitted: Jan 9, 2026, 10:20 PM
Status: Passed

UrbanTransit Metro monitors its train operations across multiple routes. Each route record includes route ID, route name, number of stations covered, total travel time (in minutes), and average daily passengers. The operations manager wants to identify busy routes, evaluate efficiency, and optimize schedules. Your role is to provide detailed insights using SQL queries

Database Schema:

Table: metro_routes

route_id	route_name	stations_covered	travel_time_minutes	daily_passengers
1	Red Line	12	28	25000
2	Blue Line	8	35	18000
3	Green Line	15	42	30000
4	Yellow Line	10	25	22000
5	Purple Line	7	30	15000

Question	Your Query	Status
List all routes covering more than 10 stations along with the average passengers per station.	SELECT route_id, route_name, stations_covered, daily_passengers, ROUND(daily_passengers / stations_covered, 2) AS avg_passengers_per_station FROM metro_routes WHERE stations_covered > 10	Accepted

Calculate total daily passengers across all routes and find the percentage contribution of each route.	SELECT
	  route_name,
	  daily_passengers,
	  ROUND(
	  (daily_passengers / (SELECT SUM(daily_passengers) FROM metro_routes)) * 100,
	  2
	  ) AS percentage_contribution
	FROM
	  metro_routes;
		Accepted

Display routes with travel time less than 30 minutes, sorted by efficiency (passengers per minute), and include the efficiency column.	SELECT route_id, route_name, travel_time_minutes, daily_passengers, ROUND(daily_passengers / travel_time_minutes, 2) AS efficiency FROM metro_routes WHERE travel_time_minutes < 30 ORDER BY efficiency DESC	Accepted

2. Cleanliness Drive Tracking (ID: 22)

Tags: sql, post-midterm-gu-3rd-sem-28
Submitted: Jan 9, 2026, 09:24 PM
Status: Passed

The municipal corporation needs to track cleanliness drives and volunteers involved in the Swachh Bharat Abhiyan. You are responsible for setting up the database, running queries, and managing user permissions.

Database Schema:

Table: cleanliness_drives

id	drive_name	date	location
1	Drive A	2024-06-01	Central Park
2	Drive B	2024-07-15	Riverbank

Table: volunteers

id	volunteer_name	drive_id	hours_contributed
1	Arun Sharma	1	5.50
2	Sita Patel	2	3.00

Question	Your Query	Status
List all volunteers who contributed more than 4 hours.	select * from volunteers where hours_contributed >4;	Accepted
Retrieve the drive details for drives held in 'Riverbank'.	select * from cleanliness_drives where location='Riverbank';	Accepted
Retrieve the details of drives held at 'Central Park'.	select * from cleanliness_drives where location ='Central Park';	Accepted
Find the total number of volunteers who contributed to each cleanliness drive.	select c.drive_name, count(volunteer_name) from volunteers v join cleanliness_drives c on v.drive_id=c.id group by c.drive_name ;	Accepted

3. Titan Construction Project & Resource Insights (ID: 60)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 03:55 PM

Status: Passed

Titan Construction oversees multiple large-scale projects across diverse locations.
The operations head wants to track high-budget projects, evaluate each manager's workload, and associate projects with their assigned engineers. Your role is to generate actionable insights using advanced SQL features like joins, views, and aggregate functions to support resource allocation and financial planning.

Database Schema:

Table: construction_projects

project_id	project_name	site_location	budget	project_manager
1	Skyline Towers	Mumbai	120000000.00	Kabir Khan
2	Riverfront Mall	Delhi	95000000.00	Nisha Singh
3	Greenfield Estate	Bangalore	150000000.00	Rohan Verma
4	Seaside Villas	Goa	80000000.00	Isha Patel
5	Tech Park	Pune	130000000.00	Arjun Das

Question	Your Query	Status
List all high-budget projects (> 1 crore) along with assigned engineers using INNER JOIN.	SELECT cp.project_name, cp.budget, pe.engineer_name, pe.role FROM construction_projects cp INNER JOIN project_engineers pe ON cp.project_id = pe.project_id WHERE cp.budget > 100000000;	Accepted
calculate the average budget.	SELECT AVG(budget) construction_projects FROM construction_projects;	Accepted
Perform a transaction to update the budget of a project and rollback if it exceeds 2 crore.	BEGIN TRANSACTION; UPDATE Projects SET budget = 25000000 WHERE project_id = 101; DECLARE @current_budget BIGINT; SELECT @current_budget = budget FROM Projects WHERE project_id = 101;	Accepted

Question	Your Query	Status

	IF @current_budget > 20000000
	BEGIN
	ROLLBACK TRANSACTION;
	PRINT 'Budget exceeds 2 crore. Transac on rolled back.';
	END
	ELSE
	BEGIN
	COMMIT TRANSACTION;
	PRINT 'Budget updated successfully.';
	END;	

4. StarByte Game Studio Advanced Analytics (ID: 59)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 03:54 PM

Status: Passed

StarByte Game Studio tracks every game release, recording game ID, name, genre, release year, and average rating. The studio's analytics team wants to identify top-rated games, compare each game's performance against its genre average, and highlight recent hits to guide development and marketing decisions. Your role is to generate actionable insights using advanced SQL queries.

Database Schema:

Table: games

game_id	game_name	genre	release_year	average_rating
1	Sky Warriors	Action	2023	4.70
2	Puzzle Quest	Puzzle	2022	4.20
3	Adventure Island	Adventure	2023	4.80
4	Mind Challenge	Puzzle	2023	4.60
5	Cyber Run	Action	2023	4.40

Question	Your Query	Status
List games with rating higher than the average rating of their genre.	SELECT g.game_id, g.game_name, g.genre, g.average_rating FROM games g JOIN (SELECT genre, AVG(average_rating) AS genre_avg_rating FROM games GROUP BY genre) t ON g.genre = t.genre WHERE g.average_rating > t.genre_avg_rating	Accepted
Find the latest released game per genre.	SELECT g1.game_id, g1.game_name, g1.genre, g1.release_year FROM games g1 WHERE g1.release_year = (SELECT MAX(g2.release_year) FROM games g2 WHERE g2.genre = g1.genre)	Accepted
Calculate average rating per release_year and list games above that yearly average.	SELECT g1.game_id, g1.game_name, g1.release_year, g1.average_rating FROM games g1 WHERE g1.average_rating > (SELECT AVG(g2.average_rating) FROM games g2 WHERE g2.release_year = g1.release_year)	Accepted

5. AquaZoo Marine Park Wildlife Insights (ID: 58)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 03:53 PM

Status: Passed

AquaZoo Marine Park monitors its marine animals carefully. Each record includes species name, habitat tank number, feeding time, and assigned caretaker. The wildlife manager wants to analyze caretaker workloads, habitat distributions, and feeding schedules to optimize animal care and feeding efficiency. Your role is to generate meaningful insights using advanced SQL queries.

Database Schema:

Table: marine_animals

species_id	species_name	habitat_tank	feeding_time	caretaker_name
1	Clownfish	1	17:00:00	Rajesh
2	Shark	2	18:30:00	Suresh
3	Turtle	1	19:00:00	Rajesh
4	Octopus	3	16:30:00	Anita
5	Seahorse	2	18:15:00	Rajesh

Question	Your Query	Status
List all animals under "Rajesh" along with their habitat and feeding time, and rank them by feeding time (earliest to latest).	SELECT species_name, habitat_tank, feeding_time, RANK() OVER (ORDER BY feeding_time ASC) AS feeding_rank FROM marine_animals WHERE caretaker_name = 'Rajesh';	Accepted
Count the number of animals per habitat tank and calculate the percentage of total animals in each tank.	SELECT habitat_tank, COUNT(*) AS numberofanimals, ROUND(COUNT(*) * 100.0 / (SELECT COUNT(*) FROM marine_animals), 2) AS percentageoftotal FROM marine_animals GROUP BY habitat_tank ORDER BY habitat_tank	Accepted
Find all animals fed after 6 PM, and calculate the average feeding time in hours for those (use strftime()) animals.	SELECT species_name, feeding_time, (CAST(strftime('%H', feeding_time) AS INTEGER) + CAST(strftime('%M', feeding_time) AS INTEGER) / 60.0) AS feeding_time_in_hours FROM marine_animals WHERE feeding_time>'18:00:00';	Accepted

6. Horizon Media Advertisement Analytics (ID: 56)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 03:50 PM

Status: Passed

Horizon Media monitors advertisement campaigns for clients. Each record contains ad ID, client name, ad type, duration in seconds, and release date. The marketing analyst wants to analyze ad campaigns: identify long-running ads, calculate total and average duration per ad type, find ads exceeding the average duration of their type, and rank ads by duration within each type. Your role is to provide advanced SQL insights for media planning.

Database Schema:

Table: advertisements

ad_id	client_name	ad_type	duration_seconds	release_date
1	Kabir	TV	45	2025-06-01
2	Nisha	Radio	20	2025-06-03
3	Rohan	TV	60	2025-06-05
4	Isha	Online	15	2025-06-07
5	Arjun	Radio	35	2025-06-10

Question	Your Query	Status
Calculate total and average duration per ad_type, and percentage contribution of each type to total duration.	WITH type_stats AS (SELECT ad_type, SUM(duration_seconds) AS total_duration, AVG(duration_seconds) AS avg_duration FROM advertisements GROUP BY ad_type),	Accepted

Question	Your Query	Status
	overall AS (SELECT SUM(duration_seconds) AS grand_total FROM advertisements) SELECT t.ad_type, t.total_duration, t.avg_duration, ROUND((t.total_duration / o.grand_total) * 100, 2) AS percentage_contribution FROM type_stats t CROSS JOIN overall o ORDER BY t.total_duration DESC	
List ads that have duration above the average duration of their ad_type.	SELECT a.ad_id, a.client_name, a.ad_type, a.duration_seconds, a.release_date FROM advertisements a JOIN (SELECT ad_type, AVG(duration_seconds) AS avg_duration FROM advertisements GROUP BY ad_type) t ON a.ad_type = t.ad_type WHERE a.duration_seconds > t.avg_duration ORDER BY a.ad_type, a.duration_seconds DESC	Accepted
Rank ads by duration within each ad_type (highest first)	SELECT ad_id, client_name, ad_type, duration_seconds, RANK() OVER (PARTITION BY ad_type ORDER BY duration_seconds DESC) as rank_in_type FROM advertisements ORDER BY ad_type, duration_seconds DESC	Accepted

7. Guardian Insurance Policy Records (ID: 55)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 03:48 PM

Status: Passed

Guardian Insurance manages a growing portfolio of policyholders, tracking policy details like policy ID, holder name, policy type, premium amount, and start date. The Insurance Data Analyst wants to identify high-value customers, monitor premium trends over time, and rank policies within each type to support strategic decision-making using SQL.

Database Schema:

Table: insurance_policies

policy_id	holder_name	policy_type	premium_amount	start_date
1	Kabir	Health	60000.00	2025-01-01
2	Nisha	Life	45000.00	2025-02-15
3	Rohan	Health	70000.00	2025-03-10
4	Isha	Vehicle	30000.00	2025-04-20
5	Arjun	Life	55000.00	2025-05-05

Question	Your Query	Status
Rank policies within each policy type based on premium amount (highest first).	SELECT policy_id, holder_name, policy_type, premium_amount, RANK() OVER (PARTITION BY policy_type ORDER BY premium_amount DESC) AS rank_in_type FROM insurance_policies;	Accepted
Calculate total and average premium per policy type and display the percentage contribution of each type to total premiums.	SELECT policy_type, SUM(premium_amount) AS total_premium, AVG(premium_amount) AS avg_premium, ROUND((SUM(premium_amount) / (SELECT SUM(premium_amount) FROM insurance_policies)) * 100, 2) AS percentage_of_total FROM insurance_policies GROUP BY	Accepted

Question	Your Query	Status
	policy_type;	

8. Axe Motor Vehicle Services (ID: 54)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:39 AM

Status: Passed

Axe Motors is a leading automotive service center that meticulously records every service done for customer vehicles. Each service record includes the vehicle number, owner name, type of service, and service date. The service manager wants to monitor maintenance patterns to improve service efficiency, identify vehicles needing urgent attention, and analyze service trends over time. Your role is to extract actionable insights from the service records using SQL.

Database Schema:

Table: vehicle_service

service_id	vehicle_number	owner_name	service_type	service_date
1	MH12AB1234	Kabir	Full Service	2025-08-01
2	DL05CD5678	Nisha	Oil Change	2025-08-03
3	KA01EF9012	Rohan	Full Service	2025-08-05
4	MH14GH3456	Isha	Tyre Replacement	2025-08-07
5	TN22IJ7890	Arjun	Oil Change	2025-08-10

Question	Your Query	Status
Identify vehicles that had a “Full Service” in the last 7 days and sort them by service date descending.(Assume Current date is 2025-08-07)	SELECT * FROM vehicle_service WHERE service_type = 'Full Service' AND service_date BETWEEN '2025-08-01' AND '2025-08-07' ORDER BY service_date DESC;	Accepted
Analyze service trends: Count total services per service type and display percentage contribution of each type.	SELECT service_type, COUNT(*) as total_count, ROUND(COUNT(*) * 100.0 / SUM(COUNT(*)) OVER (), 2) as percentage FROM vehicle_service GROUP BY service_type;	Accepted
Find the most recent service date for each owner and highlight vehicles that haven’t had a service in the last 10 days.	SELECT owner_name, vehicle_number, MAX(service_date) AS last_service_date, CASE WHEN MAX(service_date) <= DATE('now', '-10 days') THEN 'Service Due' ELSE 'Up To Date' END AS service_status FROM vehicle_service GROUP BY owner_name, vehicle_number;	Accepted

9. Quantum Cafe Inventory (ID: 53)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:36 AM

Status: Passed

Quantum Cafe is a bustling café where effective inventory management is essential to keep operations smooth and customers satisfied. The café maintains detailed records of all items, including item ID, name, category, quantity, and price. Recently, the manager observed that some items are running low while others are overstocked. Your role is to write SQL queries that help analyze inventory levels, identify low-stock or surplus items, calculate total inventory value, and support strategic decision-making for restocking and promotions.

Database Schema:

Table: cafe_inventory

item_id	item_name	category	quantity	price
1	Espresso	Beverage	50	100.00
2	Latte	Beverage	30	120.00
3	Sandwich	Food	20	80.00
4	Cake	Food	10	200.00
5	Cookie	Food	25	50.00

Question	Your Query	Status
Calculate the total inventory value per category to understand investment distribution.	SELECT category, SUM(quantity * price) AS total_inventory_value FROM cafe_inventory GROUP BY category;	Accepted
Find the most expensive item in stock to highlight premium offerings	SELECT item_name, price FROM cafe_inventory ORDER BY price DESC LIMIT 1;	Accepted
Identify the top 2 items generating the highest total value (quantity × price) for better revenue planning.	SELECT item_name, (quantity * price) AS total_value FROM cafe_inventory ORDER BY total_value DESC LIMIT 2;	Accepted

10. Sathyam Cinema Box Office Analytics (ID: 52)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:35 AM

Status: Passed

Sathyam Cinema operates multiple screens showing popular movies throughout the day. The cinema manager aims to optimize show timings, identify blockbuster movies, and plan additional shows during peak hours. Each ticket booking record includes booking ID, customer name, movie name, show time, and seats booked. Your task is to write SQL queries to generate analytical reports that calculate total seats sold per movie, filter high-demand shows, and identify top-performing screenings to support data-driven scheduling decisions.

Database Schema:

Table: ticket_bookings

booking_id	customer_name	movie_name	show_time	seats_booked
1	Kabir Khan	Avengers	18:00:00	5
2	Nisha Singh	Avengers	21:00:00	8
3	Rohan Verma	Inception	19:00:00	10
4	Isha Patel	Inception	22:00:00	12

booking_id	customer_name	movie_name	show_time	seats_booked
5	Arjun Das	Avatar	20:00:00	15

Question	Your Query	Status
Calculate the total seats booked for each movie to identify blockbuster films.	SELECT movie_name, SUM(seats_booked) AS total_seats FROM ticket_bookings GROUP BY movie_name;	Accepted
List all individual bookings where more than 10 seats were booked, indicating high-demand shows.	SELECT * FROM ticket_bookings WHERE seats_booked > 10;	Accepted
Identify movies with total seats booked exceeding 15 to plan extra screenings	SELECT movie_name, SUM(seats_booked) AS total_seats FROM ticket_bookings GROUP BY movie_name HAVING SUM(seats_booked) > 15;	Accepted

11. Stellar E-Commerce Order Insights (ID: 51)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:34 AM

Status: Passed

Stellar E-Commerce stores detailed order data including order_id, product_name, quantity, price, and order_date. To support business decisions, the sales manager wants to identify large orders for priority handling, calculate total sales per product to understand revenue contribution, and monitor the most recent purchases to plan inventory restocking and promotional campaigns. Your role is to write SQL queries that provide actionable insights for sales and inventory management.

Database Schema:

Table: product_orders

order_id	customer_name	product_name	quantity	order_date
1	Kabir	Laptop	3	2025-07-01
2	Nisha	Smartphone	6	2025-07-03
3	Rohan	Laptop	8	2025-07-05
4	Isha	Headphones	2	2025-07-07
5	Arjun	Smartphone	10	2025-07-10

Question	Your Query	Status
List all orders where the quantity is above 5 to identify large orders	SELECT * FROM product_orders WHERE quantity > 5;	Accepted
Calculate total quantity ordered per product to monitor product demand.	SELECT product_name, SUM(quantity) AS total_quantity FROM product_orders GROUP BY product_name;	Accepted
Identify the 2 most recent orders to plan shipping and delivery priority	SELECT * FROM product_orders ORDER BY order_date DESC LIMIT 2;	Accepted
List products that have at least one large order (quantity > 5) to identify high-demand items	SELECT DISTINCT product_name FROM product_orders WHERE quantity > 5;	Accepted

12. Orion Hotel Guest Stay Analysis (ID: 50)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:32 AM

Status: Passed

Orion Hotel keeps detailed records of guest room bookings, including booking_id, guest_name, room_type, check_in_date, check_out_date, and total_nights. To optimize operations and enhance guest satisfaction, the hotel manager wants to identify long-stay guests for special offers, calculate the total nights booked per room type to analyze demand, and review the most recent check-ins to efficiently plan housekeeping schedules and staff
allocation. Your role is to write SQL queries that provide actionable insights for better occupancy management and guest experience

Database Schema:

Table: room_bookings

booking_id	guest_name	room_type	nights_stayed	check_in_date
1	Kabir	Deluxe	7	2025-06-01
2	Nisha	Standard	3	2025-06-05
3	Rohan	Deluxe	6	2025-06-10
4	Isha	Suite	4	2025-06-12
5	Arjun	Standard	8	2025-06-15

Question	Your Query	Status
List all bookings where guests stayed more than 5 nights to identify long-stay guests.	SELECT * FROM room_bookings WHERE nights_stayed > 5;	Accepted
Calculate the total nights booked per room type to monitor occupancy trends.	SELECT room_type, SUM(nights_stayed) AS total_nights FROM room_bookings GROUP BY room_type;	Accepted

13. Apex Hospital Senior Care Dashboard (ID: 49)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:30 AM

Status: Passed

Apex Hospital manages a large patient database across multiple wards, maintaining key details such as patient_id, name, age, ward, and admission_date. The hospital administrator is particularly focused on senior patients who require special attention and better resource allocation. Using SQL, you are tasked with identifying patients above 60 for priority care, monitoring ward occupancy levels to ensure balanced distribution, and listing the oldest patients to plan specialized healthcare programs — ultimately supporting better patient management and decision-making.

Database Schema:

Table: patients

patient_id	patient_name	age	disease	ward
1	Kabir	65	Diabetes	Ward A
2	Nisha	45	Hypertension	Ward B
3	Rohan	70	Heart Disease	Ward A
4	Isha	55	Arthritis	Ward C
5	Arjun	80	Diabetes	Ward B

Question	Your Query	Status

Question	Your Query	Status
List all senior patients (age above 60) along with their disease, to prioritize medical attention.	SELECT patient_name, age, disease, ward FROM patients WHERE age > 60;	Accepted
Count the number of patients in each ward to assess ward occupancy.	SELECT ward, COUNT(*) AS patient_count FROM patients GROUP BY ward;	Accepted
Identify the top 2 oldest patients in the hospital to prioritize specialized care programs.	SELECT patient_name, age, disease, ward FROM patients order by age desc limit 2;	Accepted

14. AquaTech Water Quality Investigation (ID: 48)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:29 AM

Status: Passed

AquaTech Environmental Lab monitors water quality across multiple reservoirs, recording details like reservoir_id, reservoir_name, pH_level, turbidity, and measurement_date to ensure safe drinking water and ecological balance. As a Water Quality Data Analyst, your role is to identify reservoirs with alkaline water, calculate the average turbidity for each reservoir to assess clarity trends, and track the most recent measurements to support timely decision-making and maintain environmental standards using SQL

Database Schema:

Table: water_quality

reservoir_id	location	ph_level	turbidity	measurement_date
1	Lake Blue	7.80	3.50	2025-05-01
2	River Green	7.20	4.00	2025-05-03
3	Lake Blue	8.00	3.20	2025-05-05
4	River Red	6.90	5.00	2025-05-07
5	River Green	7.60	4.50	2025-05-09

Question	Your Query	Status
List all reservoirs where the water is alkaline (pH above 7.5).	SELECT * FROM water_quality WHERE ph_level > 7.5;	Accepted
Calculate the average turbidity for each reservoir location to monitor water clarity	SELECT location, AVG(turbidity) AS average_turbidity FROM water_quality GROUP BY location;	Accepted
Identify the two most recent water quality measurements to review current reservoir conditions.	SELECT * FROM water_quality ORDER BY measurement_date DESC LIMIT 2;	Accepted

15. Zenith Airlines Flight Schedules (ID: 47)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:28 AM

Status: Passed

Zenith Airlines operates a vast network of flights, tracking details like flight_id, flight_number, departure_city, arrival_city, seats_available, and departure_time. As the Airline Operations Data Analyst, your job is to identify flights with high seat availability to improve route planning and marketing efforts, calculate the total available seats per departure city to analyze capacity distribution, and review upcoming flights in chronological order to assist with scheduling and resource allocation.

Database Schema:

Table: flight_schedules

flight_id	flight_number	departure_city	arrival_city	seats_available	departure_time
1	ZN101	Mumbai	Delhi	120	06:30:00
2	ZN102	Delhi	Mumbai	80	09:00:00
3	ZN103	Bangalore	Chennai	150	11:30:00
4	ZN104	Mumbai	Bangalore	90	14:00:00
5	ZN105	Chennai	Delhi	130	16:30:00

Question	Your Query	Status
List flights with seats available more than 100	SELECT * FROM flight_schedules WHERE seats_available > 100;	Accepted
Calculate total seats available per departure_city	SELECT departure_city, SUM(seats_available) AS total_seats FROM flight_schedules GROUP BY departure_city;	Accepted
Find the departure city with the maximum total seats available across all its flights.	SELECT departure_city, SUM(seats_available) AS total_seats FROM flight_schedules GROUP BY departure_city ORDER BY total_seats DESC LIMIT 1;	Accepted

16. Terra Farms Crop Yield Records (ID: 46)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:26 AM

Status: Passed

Terra Farms maintains detailed crop yield records with fields such as record_id, crop_name, field_location, yield_tons, and harvest_date to track agricultural productivity. As an Agricultural Data Analyst, your role is to help the farm manager by listing high-yield crops for better planning, calculating total yield per crop to evaluate performance, and sorting the data in descending order of yield to prioritize the most productive crops using SQL.

Database Schema:

Table: crop_yield

record_id	crop_name	field_location	yield_tons	harvest_date
1	Wheat	Field A	12.50	2025-03-15
2	Rice	Field B	8.00	2025-03-20
3	Wheat	Field C	15.00	2025-04-10
4	Corn	Field D	10.00	2025-04-12
5	Rice	Field E	9.50	2025-04-18

Question	Your Query	Status
List all crop yield records harvested in April 2025.	SELECT * FROM crop_yield WHERE harvest_date >= '2025-04-01' AND harvest_date <= '2025-04-30';	Accepted
Find the average yield per crop.	SELECT crop_name, AVG(yield_tons) AS average_yield FROM crop_yield GROUP BY crop_name;	Accepted
List the top 2 highest yield records regardless of crop	SELECT * FROM crop_yield ORDER BY yield_tons DESC LIMIT 2;	Accepted

17. AquaFresh Bottled Water Distribution (ID: 45)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:25 AM

Status: Passed

AquaFresh monitors all bottled water shipments across multiple cities. The Supply Chain Analyst is responsible for tracking high-volume shipments, summarizing total bottles delivered per city, and identifying major shipments for planning and logistics. The database records shipment ID, distributor name, bottle size (in liters), quantity, and city. Your role is to write SQL queries to helping the management optimize.

shipment_id	distributor_name	bottle_size_l	quantity	city
1	Kabir Khan	1.0	600	Delhi
2	Nisha Singh	0.5	400	Mumbai
3	Rohan Verma	1.5	750	Delhi
4	Isha Patel	2.0	300	Bangalore
5	Arjun Das	1.0	800	Mumbai

Question	Your Query	Status
List shipments with quantity above 500.	SELECT * FROM water_shipments WHERE quantity > 500;	Accepted
Calculate total bottles distributed per city.	SELECT city, SUM(quantity) AS total_bottles FROM water_shipments GROUP BY city;	Accepted

18. Helios Energy Solar Panel Installation (ID: 44)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:24 AM

Status: Passed

Helios Energy monitors all solar panel installations across multiple locations. The Solar Operations Analyst is tasked with tracking high-capacity installations, summarizing total energy capacity per site, and identifying the most significant installations for operational planning. The database records installation ID, customer name, location, capacity (kW), and install date. Your role is to write SQL queries helping the management team optimize operations.

Database Schema:

Table: solar_installations

install_id	customer_name	location	capacity_kw	install_date
1	Kabir Khan	Delhi	6.50	2025-02-10
2	Nisha Singh	Mumbai	4.20	2025-03-12
3	Rohan Verma	Bangalore	5.50	2025-04-15
4	Isha Patel	Delhi	3.50	2025-05-05
5	Arjun Das	Mumbai	7.00	2025-06-10

Question	Your Query	Status
List all installations with capacity above 5 kW.	SELECT * FROM solar_installations WHERE capacity_kw > 5;	Accepted
Calculate total capacity per location.	SELECT location, SUM(capacity_kw) AS total_capacity FROM solar_installations GROUP BY location;	Accepted
List all installations sorted by capacity in descending order	SELECT * FROM solar_installations ORDER BY capacity_kw DESC;	Accepted

19. Nimbus Telecom Customer Plans (ID: 43)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:19 AM

Status: Passed

Nimbus Telecom manages a large customer base subscribing to various telecom plans. The Telecom Data Analyst is responsible for analyzing subscriptions, monitoring revenue, and identifying premium customers. The database records customer ID, name, plan type, monthly fee, and join date. Your role is to write SQL queries to list premium customers, calculate total monthly revenue per plan, and sort customers by monthly fee, helping the marketing team make strategic decisions.

Database Schema:

customer_id	name	plan_type	monthly_fee	join_date
1	Kabir	Premium	1200.00	2025-01-10
2	Nisha	Basic	500.00	2025-03-15
3	Rohan	Premium	1500.00	2025-02-20
4	Ishal	Standard	800.00	2025-04-05
5	Arjun	Basic	550.00	2025-05-10

Question	Your Query	Status
List all premium plan customers	SELECT * FROM telecom_customers WHERE plan_type = 'Premium';	Accepted
Calculate total monthly revenue per plan_type.	SELECT plan_type, SUM(monthly_fee) AS total_revenue FROM telecom_customers GROUP BY plan_type;	Accepted
List all customers sorted by monthly_fee in descending order.	SELECT * FROM telecom_customers ORDER BY monthly_fee DESC;	Accepted

20. Horizon Pharma Drug Inventory (ID: 42)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:16 AM

Status: Passed

Horizon Pharma manages a wide range of pharmaceutical products in its inventory. The Pharmacy Data Analyst is responsible for ensuring that drugs are available, monitoring stock levels, and preventing expiry-related losses. The database keeps track of drug ID, drug name, category, quantity, and expiry date. Your role is to assist the pharmacy using SQL.

Database Schema:

Table: drug_inventory

drug_id	drug_name	category	quantity	expiry_date
1	Paracetamol	Analgesic	200	2025-12-31
2	Amoxicillin	Antibiotic	50	2025-08-30
3	Ibuprofen	Analgesic	100	2025-10-15
4	Ciprofloxacin	Antibiotic	30	2025-09-10
5	Omeprazole	Antacid	150	2026-01-20

Question	Your Query	Status
List drugs with quantity less than 60.	SELECT * FROM drug_inventory WHERE quantity < 60;	Accepted
Count drugs per category.	SELECT category, COUNT(*) AS drug_count FROM drug_inventory GROUP BY category;	Accepted

21. Aurora Music Store Inventory (ID: 41)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:15 AM

Status: Passed

Aurora Music Store is a hub for music enthusiasts and professional musicians. The store maintains a detailed record of its musical instruments, including a unique instrument ID, name, type, quantity in stock, and price. The manager wants to identify instruments that are low in stock, calculate the total inventory value, and sort instruments by price to make strategic restocking and pricing decisions. Your role is to help the store manage its inventory efficiently using SQL queries.

Database Schema:

Table: music_inventory

instrument_id	instrument_name	type	quantity	price
1	Guitar	String	5	1500.00
2	Piano	Keyboard	2	5000.00
3	Drum Set	Percussion	3	3000.00
4	Violin	String	4	1200.00
5	Flute	Wind	10	800.00

Question	Your Query	Status
List instruments with quantity less than 4.	SELECT * FROM music_inventory WHERE quantity < 4;	Accepted
Calculate total inventory value (quantity × price) for all instruments.	SELECT SUM(quantity * price) AS total_inventory_value FROM music_inventory;	Accepted

22. Atlas Bookstore Inventory (ID: 40)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:14 AM

Status: Passed

Atlas Bookstore is a popular bookstore catering to avid readers and students. Each book has a unique book ID, title, author, price, and quantity in stock. The bookstore manager wants to identify books running low in stock, calculate the total stock value, and organize books by author alphabetically to streamline inventory and sales planning. Your role is to assist bookstore management using SQL queries.

Database Schema:

Table: bookstore

book_id	title	author	price	quantity
1	Data Structures	Kabir	500.00	10
2	Algorithms	Nisha	600.00	5
3	Operating Systems	Rohan	700.00	2
4	Networking	Isha	550.00	8
5	Web Development	Arjun	650.00	4

Question	Your Query	Status
List all books with quantity less than 5.	SELECT * FROM bookstore WHERE quantity < 5;	Accepted
Calculate total stock value (price × quantity) for all books	SELECT SUM(price * quantity) AS total_stock_value FROM bookstore;	Accepted
List all books sorted by author name alphabetically	SELECT * FROM bookstore ORDER BY author ASC;	Accepted

23. Vega Electronics Product Stock (ID: 39)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:10 AM

Status: Passed

Vega Electronics is a leading electronics retailer, managing a variety of products from multiple suppliers. Each product has a unique product ID, name, category, quantity in stock, and supplier information. The warehouse manager wants to monitor stock availability, calculate total quantity per product category, and update stock levels when new shipments arrive. Your role is to write SQL queries to help manage inventory efficiently.

Database Schema:

Table: electronics_stock

product_id	product_name	category	quantity	supplier
1	Laptop	Computers	10	TechSupply
2	Mouse	Accessories	50	MouseWorld
3	Keyboard	Accessories	30	KeyMasters
4	Monitor	Displays	15	ViewTech
5	Printer	Peripherals	5	PrintWorks

Question	Your Query	Status
List all products in the 'Accessories' category	select * from electronics_stock where category='Accessories';	Accepted
Calculate total quantity available for each category.	select category, sum(quantity) as total_quantity from electronics_stock group by category;	Accepted

24. Orion Travel Agency Bookings (ID: 38)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 12, 2025, 12:04 AM

Status: Passed

Orion Travel Agency is a premium travel service providing customers with curated travel experiences worldwide. Each booking is recorded with a unique booking ID, customer name, destination, travel date, and package cost. The travel manager wants to analyze bookings: calculate total bookings, identify high-cost packages for promotions, and sort travel schedules for operational planning. Your role is to write SQL queries using aggregate functions, WHERE filters, and ORDER BY clauses to generate actionable insights for the travel team

Database Schema:

Table: travel_bookings

booking_id	customer_name	destination	travel_date	package_cost
1	Kabir	Paris	2025-09-10	2500.00
2	Nisha	London	2025-09-15	3000.00
3	Rohan	Tokyo	2025-09-20	2800.00
4	Isha	Sydney	2025-09-25	3200.00
5	Arjun	Dubai	2025-09-30	2000.00

Question	Your Query	Status
Display all bookings sorted by travel date.	select * from travel_bookings order by travel_date;	Accepted
Filter bookings with package cost above 2800	select * from travel_bookings where package_cost>2800;	Accepted

25. Aurora Fashion Store Products (ID: 37)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 11, 2025, 04:47 PM

Status: Passed

Aurora Fashion Store is a trendy retail outlet that maintains a comprehensive product catalog. Each product record contains product ID, name, category, price, and discount percent. The store manager wants to prepare the billing system for customers by calculating discounted prices, converting prices to integers for easy payment, and rounding off prices to two decimal places for receipts. Your role is to write SQL queries using

Database Schema:

Table: fashion_products

product_id	product_name	category	price	discount_percent
1	T-Shirt	Clothing	25.00	10.00
2	Jeans	Clothing	50.00	15.00
3	Sneakers	Footwear	75.00	20.00
4	Jacket	Clothing	100.00	25.00
5	Hat	Accessories	15.00	5.00

Question	Your Query	Status
Calculate final price after discount and convert to integer (use CAST)	SELECT product_name, CAST((price * (100 - discount_percent)) / 100 AS INT) AS final_price FROM fashion_products;	Accepted
Round the final price to nearest two decimals.	SELECT product_name, ROUND(price - (price * discount_percent / 100), 2) AS final_price FROM fashion_products;	Accepted

26. Velocity Motors Vehicle Inventory (ID: 35)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 11, 2025, 04:45 PM

Status: Passed

Velocity Motors, a leading automobile dealership, maintains a comprehensive inventory database with details such as vehicle_id, model, type, price, and quantity. As the festive sales campaign approaches, the inventory manager needs SQL queries to highlight premium vehicles for targeted promotions, calculate the total inventory value to understand overall stock worth, and sort vehicles by price to easily identify high-end models — enabling data-driven decisions for inventory management and marketing strategy.

Database Schema:

Table: vehicles

vehicle_id	model	type	price	quantity
1	Thunderbolt	Car	25000.00	5
2	Falcon	Motorbike	15000.00	10
3	Comet	Car	30000.00	3
4	Cyclone	Scooter	5000.00	15
5	Meteor	Car	40000.00	2

Question	Your Query	Status
Display all vehicles sorted by price in ascending order.	SELECT vehicle_id, model, type, price, quantity FROM vehicles ORDER BY price ASC;	Accepted
Calculate the total value of all vehicles in inventory (price × quantity).	SELECT SUM(price * quantity) AS total_inventory_value FROM vehicles;	Accepted

27. Phoenix Gym Equipment Insights (ID: 34)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 11, 2025, 04:44 PM

Status: Passed

Phoenix Gym maintains a detailed inventory of all gym equipment, including equipment ID, name, category, quantity, and last maintenance date. The gym manager seeks to identify equipment due for maintenance, calculate total quantity per category, update stock after new purchases, and determine which equipment has the maximum quantity to optimize floor space and usage. Your role is to write SQL queries that provide actionable inventory insights and help manage gym resources efficiently.

equipment_id	equipment_name	category	quantity	last_maintenance
1	Treadmill	Cardio	5	2025-05-10
2	Dumbbell	Strength	20	2025-06-15
3	Stationary Bike	Cardio	7	2025-07-01
4	Bench Press	Strength	4	2025-04-20
5	Yoga Mat	Flexibility	15	2025-07-10

Question	Your Query	Status
List equipment last maintained before June 2025, to identify items needing urgent maintenance.	SELECT equipment_id, equipment_name, category, quantity, last_maintenance FROM gym_equipment WHERE last_maintenance < '2025-06-01';	Accepted
Calculate the total quantity of equipment per category.	SELECT category, SUM(quantity) AS total_quantity FROM gym_equipment GROUP BY category;	Accepted
Update the quantity of Treadmill by 3 after new purchases and display the updated row	UPDATE gym_equipment SET quantity = quantity + 3 WHERE equipment_name = 'Treadmill'; SELECT equipment_id, equipment_name, category, quantity, last_maintenance FROM gym_equipment WHERE equipment_name = 'Treadmill';	Accepted

28. Quantum Labs Chemical Inventory (ID: 33)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Dec 11, 2025, 04:16 PM

Status: Passed

Quantum Labs is a cutting-edge research facility that handles various chemicals for experiments and production. The lab manager must ensure safety by keeping track of highhazard chemicals, monitoring the quantity of chemicals in each storage room, and prioritizing chemicals stored in large amounts for routine checks. Your role is to help the lab team manage chemical inventory efficiently using SQL.

Database Schema:

Table: chemical_inventory

chemical_id	chemical_name	quantity_liters	storage_room	hazard_level
1	Sulfuric Acid	50.0	Room A	High
2	Sodium Chloride	100.0	Room B	Low
3	Ethanol	75.0	Room A	Medium
4	Acetone	60.0	Room C	High
5	Hydrochloric Acid	40.0	Room B	High

Question	Your Query	Status
List chemicals with hazard_level ‘High’.	Select * from chemical_inventory where hazard_level= 'High';	Accepted
Calculate total chemical quantity per storage_room.	SELECT storage_room, SUM(quantity_liters) AS total_quantity FROM chemical_inventory GROUP BY storage_room;	Accepted
List all chemicals sorted by quantity_liters in descending order to check which chemicals are stored in largest amounts.	select * from chemical_inventory order by quantity_liters desc;	Accepted

29. Nebula E-Library Borrowing Records (ID: 36)

Tags: post-midterm-gu-3rd-sem-28

Submitted: Nov 26, 2025, 04:42 PM

Status: Passed

Nebula E-Library is a modern digital platform that keeps detailed records of every book borrowed, including borrowing_id, member_name, book_title, borrow_date, and return_date. As the Data Analyst for the library, your job is to support the head librarian by writing SQL queries to identify overdue books for timely follow-ups, determine the most active members to reward engagement, and summarize borrowing statistics to create insightful management reports, ultimately helping the library optimize its operations and enhance member satisfaction.

Database Schema:

Table: borrow_records

borrow_id	member_name	book_title	borrow_date	return_date
1	Ananya	Database Systems	2025-08-01	2025-08-10
2	Rohit	Algorithms	2025-08-03	2025-08-15
3	Simran	Operating Systems	2025-08-05	2025-08-20
4	Aditya	Computer Networks	2025-08-07	2025-08-18
5	Priya	Web Development	2025-08-09	2025-08-19

Question	Your Query	Status
Calculate the total number of books borrowed by each member.	select member_name, count(book_title) from borrow_records group by member_name;	Accepted
Find the one member who borrowed the most books.	select member_name,count (book_title)as t from borrow_records group by member_name order by t desc limit 1;	Accepted

30. Galactic University Course Enrollment (ID: 31)

Tags: pre-midterm-gu-3rd-sem-28

Submitted: Nov 19, 2025, 04:48 PM

Status: Passed

Galactic University is a futuristic institution where students explore diverse programs across multiple disciplines. Each student has a unique student ID, and each course has a unique course code. The university administration wants to ensure data integrity by enforcing constraints: students can only enroll in valid courses, the total credits per course are monitored, and duplicate enrollments are prevented. Your role is to create and manage SQL tables with primary keys, foreign keys, and check constraints to maintain accurate course registration records and uphold academic policies.

Database Schema:

Table: students

student_id	student_name	email
1	Kabir	kabir@example.com
2	Nisha	nisha@example.com
3	Rohan	rohan@example.com
4	Isha	isha@example.com
5	Arjun	arjun@example.com

Table: courses

course_id	course_name	credits
101	Database Systems	3
102	Algorithms	4
103	Operating Systems	4
104	Computer Networks	3
105	Web Development	2

Question	Your Query	Status
Insert a new student while ensuring the email remains unique and display the inserted row	insert into students (student_id,student_name,email) values (6,'Tanya','tanya@example.com'); select * from students where student_id=6;	Accepted
Insert a new course ensuring the number of credits is between 1 and 5 and display the inserted row	insert into courses (course_id,course_name,credits) values (106,'Artificial Intelligence',5); select * from courses where course_id=106;	Accepted
Enroll student 'Isha' into 'Operating Systems' ensuring foreign key validation and display the inserted row	CREATE TABLE enrollment (enroll_id INT PRIMARY KEY, student_id INT, course_id INT, FOREIGN KEY (student_id) REFERENCES students(student_id), FOREIGN KEY (course_id) REFERENCES courses(course_id)); INSERT INTO enrollment (enroll_id, student_id, course_id) VALUES (1, 4, 103); SELECT * FROM enrollment;	Accepted

31. Celestial Airlines Flight Records (ID: 32)

Tags: pre-midterm-gu-3rd-sem-28

Submitted: Nov 19, 2025, 04:48 PM

Status: Passed

Celestial Airlines prides itself on providing smooth and efficient travel experiences for passengers across the country. The airline maintains a comprehensive flight record database, capturing flight ID, origin, destination, seat capacity, and booked seats for each flight. The Airline Operations Analyst is tasked with monitoring flight occupancy to optimize bookings, identify flights with available seats, calculate the total number of passengers across all flights, and sort flights by capacity for planning future schedules. Your role is to provide SQL queries to assist airline operations.

Database Schema:

Table: flights

flight_id	origin	destination	capacity	booked_seats
1	New York	London	300	280
2	Paris	Tokyo	250	200
3	Dubai	Sydney	200	180
4	Mumbai	Singapore	150	120
5	Toronto	Berlin	180	150

Question	Your Query	Status
List all flights with available seats	SELECT flight_id, origin, destination, (capacity - booked_seats) AS available_seats	Accepted

Question	Your Query	Status
	FROM flights WHERE booked_seats < capacity;	
Calculate total passengers booked across all flights.	select sum(booked_seats) from flights;	Accepted

32. The Employee Chronicles: A Data-Driven Journey (ID: 30)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Nov 19, 2025, 04:28 PM

Status: Passed

In a multinational corporation where every employee has a story, the HR database becomes a treasure trove of interconnected tales. This dataset captures the journey of employees: their hires, promotions, team dynamics, and cross-departmental collaborations. The story weaves through various levels of the organization, focusing on personal achievements, workplace challenges, and the impact of leadership on professional growth.

Database Schema:

Table: employees

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	manager_id	department_id
100	Steven	King	Steven@gmail.com	515.125.678	2017-06-17	AD_PRES	24000.00	100	90
101	Ross	Kochhar	Rkochhar@yahoo.com	590.126.679	2001-01-23	AD_VP	50806.00	100	90
102	Alex	Urman	AlexUrman@gmail.com	515.123.245	2002-08-31	IT_PROG	54071.00	102	90
103	Bruce	Popp	Bruce@gmail.com	515.125.679	2003-04-08	FI_MGR	26969.00	103	60
104	David	Raphaely	Raphaely@gmail.com	590.126.680	2009-11-15	PU_MAN	34048.00	105	60
105	Nancy	Khoo	Nancy@gmail.com	515.123.246	2005-06-23	ST_CLERK	46206.00	113	70
106	John	Baida	John@yahoo.com	515.125.680	2009-01-29	AC_ACCOUNTANT	63090.00	123	70
107	Daniel	Weiss	Weiss@yahoo.com	590.126.681	1902-09-06	AD_PRES	56356.00	131	70
108	Sigal	Kaufling	Kaufling@yahoo.com	515.123.247	2017-06-17	AD_VP	23488.00	111	60
109	Adam	Vollman	Adam@gmail.com	515.125.681	2001-01-23	IT_PROG	29047.00	114	90
110	Mathew	Himuro	Himuro@yahoo.com	590.126.682	2017-06-17	FI_MGR	51428.00	145	100
111	Harvey	Mikkilineni	Harvey@gmail.com	515.123.248	2001-01-23	PU_MAN	61770.00	145	100
112	Kevin	Rogers	Rogers@yahoo.com	515.125.682	2017-06-17	ST_CLERK	30897.00	112	70
113	Julia	Patel	Julia@yahoo.com	590.126.683	2001-01-23	AC_ACCOUNTANT	59197.00	131	80
114	Irene	Davies	Davies@gmail.com	515.123.249	2017-06-17	AD_PRES	61211.00	121	80
115	James	Zlotkey	James@gmail.com	515.125.683	2001-01-23	AD_VP	43386.00	116	80
116	Jason	Bernstein	Bernstein@yahoo.com	590.126.684	2017-06-17	IT_PROG	27978.00	117	100
117	Peter	Hall	Hall@gmail.com	515.123.250	2001-01-23	FI_MGR	46632.00	118	80
118	Sartha	Sully	Sartha@gmail.com	515.125.684	2017-06-17	PU_MAN	66662.00	121	60
119	William	Smith	Smith@yahoo.com	590.126.685	2001-01-23	ST_CLERK	38628.00	120	70
120	Jack	Greene	Jgreene@gmail.com	515.123.251	2017-06-17	AC_ACCOUNTANT	20068.00	119	90

Question	Your Query	Status
The CEO, Steven King, wants to see the first names and last names of all employees in his department.	select employee_Id ,first_name,last_name ,department_id from employees where department_id =(Select department_id from employees where first_name='Steven'AND last_name='King');	Accepted
Alex Urman is curious about how many IT programmers work in the company. Can you find out?	select COUNT(*) from employees where job_id='IT_PROG';	Accepted
Ross Kochhar wants to know the names(first and last name) and salaries of employees earning more than $50,000.	SELECT first_name, last_name,salary from employees where salary>50000;	Accepted
The company wants to know the names of all employees who report to the manager with ID	select employee_id,first_name,last_name,manager_id from employees where manager_id=145;	Accepted

Question	Your Query	Status
145. (Data to be selected : Employee ID,First Name,Last Name,Manager Id)		
The HR department needs a count of all employees in the company. How many are there?	select count(*) from employees;	Accepted
The marketing team wants to know the employees working in department ID 70. Can you list their names? (Data to be selected : Employee ID,First Name,Last Name,Department Id)	select employee_id , first_name,last_name,department_id from employees where department_id=70;	Accepted
The company wants to know how many unique job titles are present in the employee dataset. Can you find that out?	select COUNT(DISTINCT job_id)as unique_job_title from employees;	Accepted
The finance team wants to find out who has the highest salary in the company. (Data to be selected : First Name,Last Name,Salary)	select first_name, last_name , salary from employees order by salary desc limit 1;	Accepted
The IT department needs to send out an email to all employees. Can you provide their email addresses?	select email from employees;	Accepted
The manager wants to know the names of all employees in department ID 90. (Data to be selected : Employee ID,First Name,Last Name,Department Id)	select employee_id , first_name , last_name,department_id from employees where department_id=90;	Accepted
The HR department wants to find out which employees earn less than $30,000. (Data to be selected : First Name,Last Name)	select first_name ,last_name from employees where salary<30000;	Accepted
The company wants to know how many different job titles there are.	select count(distinct job_id) from employees;	Accepted
The manager needs to find the phone number of employee Nancy Khoo.	select phone_number from employees where first_name='Nancy';	Accepted
The manager wants to know how many employees work in department ID 70.	select count(*) from employees where department_id=70;	Accepted
The company wants to find all employees with the job title "FI_MGR". (Data to be selected : Employee ID,First Name,Last Name,Job Id)	select employee_id,first_name,last_name,job_id from employees where job_id='FI_MGR';	Accepted
The IT department wants to find all employees with email addresses ending in "gmail.com". (Data to be selected : Employee ID,First Name,Last Name,Email)	select employee_id , first_name,last_name,email from employees where email like'%gmail.com';	Accepted
The HR team wants to find all employees hired in 2001. (Data to be selected : Employee ID,First Name,Last Name,Hire Date)	select employee_id,first_name,last_name, hire_date from employees where hire_date like '2001%';	Accepted
The finance team is planning a budget meeting and wants to focus on employees who earn above $60,000. They need a list of these employees, including their first and last names. (Data to be selected : Employee ID,First Name,Last Name,Salary)	select employee_id,first_name, last_name, salary from employees where salary> 60000;	Accepted

Question	Your Query	Status
It's the end of the year, and the HR team is preparing a list of employees who were hired in the year 2009 for a special recognition event. They want to know the names of these employees. (Data to be selected : Employee ID,First Name,Last Name,Hire Date)	select employee_id,first_name, last_name, hire_date from employees where hire_date like '2009%';	Accepted
The finance team is planning a budget meeting and wants to focus on employees who earn above $60,000. They need a list of these employees, including their first and last names. (Data to be selected : Employee ID,First Name,Last Name,Salary)	select employee_id,first_name, last_name, salary from employees where salary>60000;	Accepted
The project manager, Alex Urman, wants to identify all employees reporting directly to him so he can discuss the upcoming project deadlines. Can you provide a list of their names? (Data to be selected : Employee ID,First Name,Last Name,Manager Id)	select employee_id,first_name, last_name, manager_id from employees where manager_id=102;	Accepted
The CEO wants to review the performance of the marketing team, which is in department ID 80. She asks for the names of all employees in that department to prepare for the meeting. (Data to be selected : Employee ID,First Name,Last Name,Department Id)	select employee_id,first_name, last_name, department_id from employees where department_id=80;	Accepted
In a vibrant tech company, Daniel Weiss manages a team that includes Kevin Rogers and Sartha Sully. The HR department wants to identify employees in the IT_PROG job role to understand their salary range better. Can you list their first names, last name, emails, and salaries?	select first_name, last_name,email,salary from employees where job_id='IT_PROG';	Accepted
As part of a new wellness initiative, the company wants to reward employees with salaries above 60,000. They need a list of these employees' first name, last name along with their job titles. Who qualifies for this reward?	select first_name,last_name,job_id from employees where salary>60000;	Accepted
As the financial year comes to a close, the HR team is preparing a list of employees hired in 2001 for a special recognition event. They are looking for the names of these employees, with their salaries ranked from highest to lowest. (Data to be selected : First Name,Salary, Hire date)	select first_name ,salary, hire_date from employees where hire_date like '2001%' order by salary desc;	Accepted
In a vibrant tech company, Daniel Weiss manages a team that includes Kevin Rogers and Sartha Sully. The HR department wants to identify employees in the IT_PROG job role to understand their salary range better. Can you list their first name,last name, email, Job Id and salary?	select first_name ,last_name,email,job_id,salary from employees where job_id='IT_PROG';	Accepted
The HR team is preparing for performance reviews and needs the names of employees in department ID 70. They want to ensure everyone is included in the review process. (Data to be selected : Employee ID,First Name,Last Name,Department Id)	select employee_id, first_name,last_name,department_id from employees where department_id=70;	Accepted
The finance team is reviewing salaries and	select first_name,last_name ,salary from employees	Accepted

Question	Your Query	Status
wants to list all employees earning less than $40,000. This will help in assessing budget adjustments. (Data to be selected : First Name,Last Name,Salary)	where salary<40000;	
The CEO wants to know how many employees are in department ID 100 for an upcoming strategic meeting. This count will help with resource allocation.	select count(*) from employees where department_id=100;	Accepted
To improve collaboration, the HR department is gathering information about employees who work in the AD_VP role. They need a list of these employees' first name, last name along with their hire dates.	select first_name,last_name,hire_date from employees where job_id='AD_VP';	Accepted
The finance team is analyzing which employees have job roles in the AC_ACCOUNTANT department. They want a simple list of names for future budget discussions. Who are these employees? (Data to be selected : Employee ID,First Name,Last Name,Job Id)	select employee_id, first_name,last_name,job_id from employees where job_id='AC_ACCOUNTANT';	Accepted
To make informed decisions about future hiring and compensation adjustments, they require a clear picture of overall salary costs. The HR department is tasked with retrieving this information from the employees table. A query will be executed to calculate the total salary for a month paid to all employees in the organization.	select SUM(salary) from employees;	Accepted
As part of their annual salary review, Stellar Corp's HR team needs to assess employee compensation trends. To ensure competitive pay and employee satisfaction, they want to determine the average salary across all positions in the company. This information will help guide future salary adjustments and recruitment strategies. The team wants to execute a query to calculate the average salary from the employees table.	select avg(salary) from employees;	Accepted
Management wants to understand the distribution of employees across various departments to improve resource allocation. To support this initiative, they need to know how many employees belong to each department. The HR team is tasked with gathering this information to provide insights for departmental planning. A query wants to be executed to count the number of employees in each department and display the results.	select department_id, count(*) from employees group by department_id;	Accepted
Analyze the workforce composition by job roles to identify staffing needs and potential gaps. To achieve this, they require a summary of how many employees occupy each job ID within the organization. The HR team is responsible for compiling this data to assist in strategic planning and resource management. A query will be executed to count the number of employees for each job ID and present the findings.	select job_id, count(*) from employees group by job_id;	Accepted
Analyze the workforce composition by job roles to identify staffing needs and potential gaps. To achieve this, they require a summary of how many employees occupy each job ID within the organization. The HR team is responsible for compiling this data to assist in strategic planning and resource management. A query will be executed to	select job_id,count(*) from employees group by job_id;	Accepted

Question	Your Query	Status
count the number of employees for each job ID and present the findings.		
Management is seeking the names of employees, specifying both their first and last names as Employee_names?	select first_name ||' '|| last_name as Employee_names from employees;	Accepted
As part of the annual review, the company wants to find out how many employees have a salary below 40,000. They aim to identify potential candidates for raises.	select count(*) from employees where salary <40000;	Accepted

33. Google Maps Location Tracking (ID: 23)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Nov 19, 2025, 04:18 PM

Status: Passed

A local tech startup is developing a location tracking system integrated with Google Maps. They need to manage a database for locations, user check-ins, and access permissions. Your task is to write queries to handle various database operations for this system.

Database Schema:

Table: locations

id	location_name	latitude	longitude
1	Coffee Shop	12.971598	77.594566
2	Bookstore	12.935223	77.625933
3	Restaurant	18.971598	27.594566

Table: user_checkins

id	user_id	location_id	checkin_time
1	101	1	2024-09-01 10:15:00
2	102	2	2024-09-02 14:30:00

Question	Your Query	Status
Retrieve the names of all locations with latitude greater than 12.940000.	select location_name from locations l inner join user_checkins s on l.id=s.location_id where latitude>'12.940000';	Accepted
Find all user id who checked in at the 'Bookstore'.	select user_id from locations l join user_checkins u on l.id=u.location_id where location_name='Bookstore';	Accepted

List all name of the locations where no users have checked in.	SELECT
	  L.location_name
	FROM
	  locations L
	LEFT JOIN
	  user_checkins C ON L.id = C.location_id
	WHERE
	  C.location_id IS NULL;
		Accepted

Count the number of check-ins per location.	SELECT l.location_name, COUNT(uc.user_id) FROM locations l JOIN user_checkins uc ON l.id = uc.location_id GROUP BY l.location_name;	Accepted

34. Movie Rentals (ID: 12)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 06:24 PM

Status: Passed

Movie Rentals is a local shop where customers can rent movies. You manage the movie catalog and rental records.

Database Schema:

Table: movies

id	title	genre	rental_price	available_copies
1	Inception	Sci-Fi	50.00	15
2	The Godfather	Drama	60.00	10
3	The Dark Knight	Action	70.00	5

Question	Your Query	Status
List all movies available for rent at Movie Rentals.	select * from movies;	Accepted
Update the available copies of 'The Dark Knight' after 3 new copies are added .	update movies set available_copies=5+3 where title='The Dark Knight';	Accepted
Add a new movie 'Interstellar' with a rental price of ¹55 and 8 copies ava	INSERT INTO movies (id, title, genre, rental_price, available_copies) VALUES (4,'Interstellar', 'Sci-Fi', 55.00, 8);	Accepted
Identify the movie title with the lowest rental price.	select title from movies where rental_price order by rental_price asc limit 1;	Accepted
Compute the total rental value of all available movies.	select sum(rental_price*available_copies)as total_value from movies;	Accepted

35. Indian Wedding Planning (ID: 21)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 06:22 PM

Status: Passed

A wedding planning service needs to manage the list of events, vendors, and guest lists for weddings. You need to create the database schema, add details, and query for wedding plans.

Database Schema:

Table: events

id	event_name	date	location
1	Reception	2024-12-15	Grand Palace Hotel
2	Mehendi	2024-12-14	Beachside Resort

Table: vendors

id	vendor_name	service_type
1	Catering Co.	Catering
2	Floral Arrangements	Decor

Table: guests

id	guest_name	event_id
1	Amit Sharma	1
2	Sneha Patel	2

Question	Your Query	Status

Question	Your Query	Status
Add a new event 'Sangeet' scheduled for '2024-12-13' at 'Royal Banquet Hall'.	INSERT INTO events (event_name, date, location) VALUES ('Sangeet', '2024-12-13', 'Royal Banquet Hall');	Accepted
Update 'Reception' location to 'Luxury Palace Hotel'.	update events set location='Luxury Palace Hotel' where event_name='Reception';	Accepted
List all vendors that provide 'Catering' services.	select * from vendors where service_type='Catering';	Accepted
Retrieve all events sorted by date in ascending order.	select * from events order by date asc;	Accepted
Find all events that are scheduled to take place in 'Beachside Resort'.	select * from events where location ='Beachside Resort';	Accepted

36. Technology Startups (ID: 29)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 06:18 PM

Status: Passed

You manage a database for a venture capital firm that tracks technology startups. Your task is to record the startup name, founded year, headquarters location, and industry of each company. The firm relies on your data to evaluate potential investments and monitor the growth of startups across different sectors like AI and e-commerce.

Database Schema:

Table: tech_startups

startup_id	startup_name	founded_year	founder_name	industry	headquarters
1	SpaceX	2002	Elon Musk	Aerospace	Hawthorne, CA
2	Stripe	2010	Patrick Collison	Fintech	San Francisco, CA
3	Palantir	2003	Peter Thiel	Data Analytics	Denver, CO
4	GitHub	2008	Chris Wanstrath	Software	San Francisco, CA
5	Instacart	2012	Apoorva Mehta	E-commerce	San Francisco, CA

Question	Your Query	Status
Retrieve all startups founded before 2010	select * from tech_startups where founded_year<2010;	Accepted
Show the name of the startup with the latest founding year	select startup_name from tech_startups order by founded_year desc limit 1;	Accepted
List all startups in the 'E-commerce' industry	select * from tech_startups where industry='E-commerce';	Accepted
Display the startup details that has the longest name	select * from tech_startups where length(startup_name)=(select max(length(startup_name))from tech_startups);	Accepted
Count the number of startups headquartered in 'San Francisco, CA'	select count(*) from tech_startups where headquarters= 'San Francisco, CA';	Accepted

37. Movie Streaming Services (ID: 26)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 06:16 PM

Status: Passed

You work for a consultancy that tracks various movie streaming services. Your job is to maintain a database that includes each platform's name, monthly cost, number of movies, available regions, and subscription plan. Investors rely on this data to decide which streaming service to partner with or invest in.

Database Schema:

Table: movie_streaming_services

service_id	service_name	monthly_cost	available_regions	number_of_movies
1	Netflix	15.99	Global	5000
2	Amazon Prime Video	12.99	Global	4000
3	Hulu	11.99	USA, Japan	2000
4	Disney	7.99	Global	1500
5	HBO Max	14.99	USA, Europe	1000

Question	Your Query	Status
Find all streaming services details with a monthly cost greater than $10	select * from movie_streaming_services where monthly_cost>10;	Accepted
Retrieve the streaming service details with the highest number of movies	select * from movie_streaming_services order by number_of_movies desc limit 1;	Accepted
Show the total number of available regions across all streaming services	select count(available_regions) from movie_streaming_services group by available_regions limit 1;	Accepted
List the streaming services details that have both 'Global' availability and more than 3000 movies	select * from movie_streaming_services where available_regions='Global' and number_of_movies>3000;	Accepted
Calculate the average monthly cost of all movie streaming services	select avg(monthly_cost) from movie_streaming_services;	Accepted

38. Tech Events Management System (ID: 25)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 06:11 PM

Status: Passed

You are managing a database for a global tech conference organizer. Your job is to keep track of the conference name, organizer, location, start date, and end date of each event. The organizer needs quick access to this information to plan and manage conferences across different cities and dates efficiently.

Database Schema:

Table: tech_conferences

conference_id	conference_name	location	start_date	end_date	organizer
1	AI Summit 2024	San Francisco	2024-09-21	2024-09-23	TechWorld Inc.
2	Cloud Expo 2024	New York	2024-10-10	2024-10-12	CloudCon
3	Cybersecurity Forum	Berlin	2024-11-15	2024-11-17	SecOps Global
4	Blockchain Conference	Dubai	2024-12-01	2024-12-03	CryptoNet
5	Quantum Computing Congress	Tokyo	2024-11-05	2024-11-07	QuantumTech Ltd.

Question	Your Query	Status
Find the total number of tech conferences happening in the USA	select count(*) from tech_conferences where location='USA';	Accepted
Retrieve the details of all conferences organized by 'TechWorld Inc'	select * from tech_conferences where organizer='TechWorld Inc.';	Accepted
List all conferences that have a duration of 3 days or more (Use 'julianday()')	select * from tech_conferences where (julianday(end_date)-julianday(start_date)+1)>=3;	Accepted
Find the name of the conference with the earliest start date	select conference_name from tech_conferences order by start_date asc limit 1;	Accepted
Retrieve all conferences sorted by location in alphabetical order	select * from tech_conferences order by location asc;	Accepted

39. Health Care Management System (ID: 24)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 06:04 PM

Status: Passed

A hospital is developing a health care management system to track patients, doctors, and appointments. You need to handle various database operations, including schema modifications and querying patient data.

Database Schema:

Table: patients

id	patient_name	date_of_birth	contact_number
1	Ravi Kumar	1985-06-15	9876543210
2	Anita Sharma	1990-08-22	9123456789

Table: doctors

id	doctor_name	specialty
1	Dr. Suresh	Cardiology
2	Dr. Priya	Orthopedics

Table: appointments

id	patient_id	doctor_id	appointment_date
1	1	1	2024-09-01 10:00:00
2	2	2	2024-09-02 14:30:00

Question	Your Query	Status
Retrieve the names of all patients who have appointments scheduled for September 2024.	select patient_name from patients p join appointments a on p.id=a.patient_id where appointment_date like'2024-09%' ;	Accepted
List all doctors' name who specialize in 'Cardiology'.	select doctor_name from doctors where specialty = 'Cardiology';	Accepted
Find the contact number of the patient named 'Anita Sharma'.	select contact_number from patients where patient_name='Anita Sharma';	Accepted
Update the contact number of 'Ravi Kumar' to '9999999999'.	update patients set contact_number='9999999999' where patient_name='Ravi Kumar';	Accepted

40. Ola Cab Ride Management (ID: 19)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 04:41 PM

Status: Passed

Ola manages rides and users. Perform complex queries to analyze and manage ride data.

Database Schema:

Table: rides

id	user_name	cab_model	fare	ride_date
1	Ravi Kumar	Honda City	500.00	2024-09-10
2	Priya Sharma	Toyota Corolla	350.00	2024-09-11
3	Ravi Kumar	Ford Fiesta	600.00	2024-09-11
4	Priya Sharma	Honda City	550.00	2024-09-12

Question	Your Query	Status

Question	Your Query	Status
Find the total fare collected for rides on '2024-09-11'.	select sum(fare) from rides where ride_date='2024-09-11';	Accepted
Determine the average fare of rides for each cab model.	select cab_model ,avg(fare) from rides group by cab_model;	Accepted
Find the highest fare for rides booked by 'Ravi Kumar'.	select max(fare) from rides where user_name='Ravi Kumar';	Accepted
Identify the cab model with the highest total fare collected.	select cab_model from rides group by cab_model order by sum(fare) desc limit 1;	Accepted
List users who have booked rides on more than one distinct date.	select user_name from rides where ride_date='2024-09-11';	Accepted

41. Flight Booking System (ID: 17)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 04:37 PM

Status: Passed

The flight booking system tracks reservations, cancellations, and flight details. Perform various queries to manage and analyze flight data.

Database Schema:

Table: flights

id	flight_number	origin	destination	departure_time
1	AI202	Mumbai	Delhi	2024-09-10 10:00:00
2	AI203	Delhi	Mumbai	2024-09-10 18:00:00
3	AI204	Mumbai	Banglore	2024-09-11 15:00:00

Table: booking

id	passenger_name	flight_id	booking_date	seats_reserved
1	Amit Kumar	1	2024-09-01	2
2	Ravi Sharma	2	2024-09-02	1
3	Sita Patel	3	2024-09-03	3

Table: cancellations

id	booking_id	cancellation_date
1	2	2024-09-05

Question	Your Query	Status
Find the total number of seats reserved for each flight number.	select flight_number,sum(seats_reserved) from flights f join bookings b on f.id= b.flight_id group by flight_number;	Accepted
List all flight numbers with departure time that are departing from 'Mumbai' on '2024-09-10'.	select flight_number,departure_time from flights where (origin='Mumbai'and departure_time='2024-09-10 10:00:00');	Accepted
Find the flight with the maximum number of seats reserved and display its flight number and reserved seats.	select flight_number,seats_reserved from flights join bookings b on flights.id=b.flight_id group by flight_number order by seats_reserved desc limit 1;	Accepted
Update the departure time of flight 'AI204' to '2024-09-12 17:00:00' and display the updated flight details.	update flights set departure_time='2024-09-12 17:00:00' where flight_number='AI204'; select * from flights where flight_number='AI204';	Accepted
Show all passengers who have booked flights for 'Banglore' on '2024-09-11'.	select passenger_name from flights join bookings b on flights.id= b.flight_id	Accepted

Question	Your Query	Status
	where destination='Banglore'AND departure_time='2024-09-11 15:00:00';	

42. Railway Station Timetables (ID: 16)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 04:12 PM

Status: Passed

The railway station needs to manage train schedules and timings. You are required to perform various queries to analyze the schedules.

Database Schema:

Table: trains

id	train_number	destination	departure_time
1	12345	Mumbai	08:00:00
2	67890	Delhi	10:00:00
3	11223	Kolkata	14:00:00

Table: schedules

id	train_id	date	arrival_time
1	1	2024-09-01	12:00:00
2	2	2024-09-01	16:00:00
3	3	2024-09-01	20:00:00

Question	Your Query	Status
Display the train number and its departure time that departs the earliest among all trains.	select train_number, min(departure_time) from trains;	Accepted
Display all train's number and its arrival time that are scheduled to arrive after 15:00 on '2024-09-01'.	select train_number , arrival_time from trains join schedules on trains.id=train_id where arrival_time>'15:00:00';	Accepted
Update the departure time of train '12345' to '09:00:00' and display its updated schedule.	update trains set departure_time='09:00:00' where train_number='12345'; select * from trains where train_number='12345';	Accepted
Display the train number and its arrival time, which has the latest arrival time on '2024-09-01'.	select t.train_number,s.arrival_time from trains t join schedules s on t.id= s.train_id where date='2024-09-01' order by arrival_time desc limit 1;	Accepted
Show the number of trains departing each day of the week. (Use 'strftime()', Data to be displayed: day_name(English day names starting from sunday),count of trains)	select case cast (strftime('%w', date) as integer) when 0 then 'Sunday' when 1 then 'Monday' when 2 then 'Tuesday' when 3 then 'Wednesday' when 4 then 'Thursday' when 5 then 'Friday' else 'Saturday' end as name, count(train_id) from schedules;	Accepted

43. Art Gallery Collection (ID: 15)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 04:01 PM

Status: Passed

The Art Gallery manages a diverse collection of artworks. You need to handle complex queries to analyze and update their collection.

Database Schema:

Table: artworks

id	title	artist	year	price
1	Starry Night	Vincent Van Gogh	1889	1000000.00
2	Mona Lisa	Leonardo Da Vinci	1503	850000.00
3	The Persistence of Memory	Salvador Dali	1931	1200000.00

Question	Your Query	Status
List the title and price of the most expensive artworks created after 1900.	select title , max(price) from artworks where year >1900;	Accepted
Find the average price of artworks by 'Salvador Dali' and 'Vincent Van Gogh'.	select artist, avg(price) from artworks where artist ='Salvador Dali'; select artist, avg(price) from artworks where artist ='Vincent Van Gogh';	Accepted
Increase the price of artworks created before 1900 by 10% .	update artworks set price=(price *1.1) where year<1900;	Accepted
Find the year with the highest total value of artworks and the total value of artworks for that year.	select year, max(price) from artworks;	Accepted
Show the number of artworks by each artist and sort them in descending order of count	select artist ,count(*) a from artworks group by artist order by a desc;	Accepted

44. Evergreen High School's Academic Database (ID: 5)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 17, 2025, 03:33 PM

Status: Passed

Evergreen High School has recently digitized its academic records and needs your help managing the new database. As their SQL consultant, you're tasked with writing queries to assist the administration, teachers, and students in accessing and updating important academic information. The database consists of three tables: 'students' for student information, 'courses' for course details, and 'enrollments' to track which students are enrolled in which courses and their grades. Your job is to provide insights and help streamline the school's academic processes.

Database Schema:

Table: students

id	name	grade	email
1	Alice Johnson	10	alice.j@school.edu
2	Bob Smith	11	bob.s@school.edu
3	Charlie Brown	10	charlie.b@school.edu
4	Diana Ross	12	diana.r@school.edu
5	Ethan Hunt	11	ethan.h@school.edu

Table: courses

id	name	instructor	credits

id	name	instructor	credits
101	Algebra	Mr. Thompson	3
102	Biology	Mrs. Garcia	4
103	History	Ms. Lee	3
104	Physics	Dr. Brown	4
105	Literature	Mrs. Davis	3

Table: enrollments

student_id	course_id	enrollment_date	grade
1	101	2023-09-01	A
1	102	2023-09-01	B
2	103	2023-09-02	A
2	104	2023-09-02	C
3	101	2023-09-01	B
3	105	2023-09-03	A
4	102	2023-09-02	A
4	104	2023-09-02	B
5	103	2023-09-03	B
5	105	2023-09-03	A

Question	Your Query	Status
The school counselor needs a list of all students in grade 11, along with their email addresses, to send out information about college preparation workshops. Can you provide this list in alphabetical order?	select name,email from students -- join enrollments e -- on s.id = student_id where grade=11 order by name asc;	Accepted
The school wants to recognize high-achieving students. Can you find all students who have received an 'A' grade in any course, and display their names along with the course names they excelled in(ascending order)?	select s.name , c.name from students s join courses c on c.id=e.course_id join enrollments e on s.id=e.student_id where e.grade='A' order by s.name asc,c.name asc;	Accepted
The school realizes that the Physics course should be worth 5 credits instead of 4. Update the credits for the Physics course, and then display all course information to confirm the change.	update courses set credits=5 where name='Physics'; select * from courses; -- where credits=5;	Accepted
The administration wants to know which courses have the highest enrollment. Can you provide a list of courses along with the number of students enrolled in each, sorted by enrollment count in descending order?	SELECT c.name as course_name, count(e.Student_ID) as enrollment_count FROM courses c left JOIN enrollments e ON c.id = e.course_id group by c.id,c.name ORDER BY enrollment_count desc;	Accepted
A new student, Frank White (id: 6, grade: 10, email: frank.w@school.edu), has joined the school and wants to enroll in Algebra and Literature. Add Frank to the students table, enroll him in these courses with today's date as the enrollment date, and then display his enrollment information(Student name,Course name,Enrollment date). (Assume today's date as '2024-12-20')	insert into students (id, name,grade,email) values (6,'Frank White',10,'frank.w@school.edu'); insert into enrollments (student_id, course_id, enrollment_date) values (6,101,'2024-12-20'); insert into enrollments (student_id, course_id, enrollment_date) values (6,105,'2024-12-20'); select s.name,c.name,enrollment_date from students s join enrollments e on s.id=e.student_id join courses c on c.id=e.course_id where s.id=6;	Accepted

45. City Library (ID: 11)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 05:29 PM

Status: Passed

City Library has a large collection of books and manages memberships for readers. You handle the library's catalog and member records.

Database Schema:

Table: books

id	title	author	genre	publication_year	available_copies
1	The Great Gatsby	F. Scott Fitzgerald	Fiction	1925	5
2	To Kill a Mockingbird	Harper Lee	Fiction	1960	3
3	1984	George Orwell	Dystopian	1949	10

Question	Your Query	Status
Display all books available at City Library.	select * from books;	Accepted
Update the available copies of 'To Kill a Mockingbird' after 2 more copies arrive.	update books set available_copies=3+2 where id= 2;	Accepted
Add a new book 'Moby Dick' by Herman Melville, published in 1851 with 8 copies.	insert into books (id , title, author, genre, publication_year ,available_copies) values (4,'Moby Dick','Herman Melville','Classic',1851,8);	Accepted
Find the most recent book title added to the library.	select title from books where publication_year order by publication_year desc limit 1;	Accepted
Calculate the total number of available copies of all books.	select sum(available_copies) from books;	Accepted

46. Epic Adventures Travel Agency (ID: 10)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 05:23 PM

Status: Passed

Epic Adventures Travel Agency books exciting vacations for customers. You manage the database for travel packages, destinations, and bookings.

Database Schema:

Table: travel_packages

id	package_name	destination	price	available_slots
1	Safari Adventure	Kenya	120000.00	25
2	Mountain Escape	Switzerland	150000.00	10
3	Beach Bliss	Maldives	90000.00	30

Question	Your Query	Status
List all travel packages available at Epic Adventures.	select * from travel_packages;	Accepted
A customer booked 5 slots for the 'Mountain Escape' package. Update the available slots	update travel_packages set available_slots=5 where id=2;	Accepted
Add a new travel package named 'Cultural	insert into travel_packages	Accepted

Question	Your Query	Status
Tour' to Japan with 20 slots available at ₹100,000.00 each.	(id, package_name,destination , price, available_slots) values (4,'Cultural Tour','Japan', 100000.00,20);	
Find the name of the most expensive travel package available.	select package_name from travel_packages where price order by price desc limit 1;	Accepted
Calculate the total revenue potential from all available travel packages.	select sum(price*available_slots) total_revenue from travel_packages;	Accepted

47. Tech Haven Electronics (ID: 9)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 05:17 PM

Status: Passed

Tech Haven is a shop selling the latest tech gadgets. You are tasked with managing their inventory and helping with customer queries.

Database Schema:

Table: gadgets

id	name	category	price	stock
1	Smartphone	Mobile	30000.00	40
2	Laptop	Computer	60000.00	20
3	Tablet	Mobile	25000.00	15

Question	Your Query	Status
List all the gadgets currently available in the store.	select * from gadgets;	Accepted
The shop sold 5 Smartphones. Update the stock for 'Smartphone' .	update gadgets set stock=40-5 where id=1;	Accepted
A new gadget, 'Smartwatch', is now available in the shop. Add this gadget with 100 units at ₹10,000 each.	insert into gadgets (id,name , category,price , stock) values (4,'Smartwatch','Wearable',10000,100);	Accepted
Calculate the average price of all gadgets available in the store	select AVG(price) from gadgets;	Accepted
The shop wants to run a discount promotion. Decrease the price of all gadgets by 5% and show the updated prices.	update gadgets set price= price*0.95; select * from gadgets;	Accepted

48. Employee Database Management (ID: 8)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 05:12 PM

Status: Passed

You have been hired as a database administrator for an Indian company that tracks all employee information. The company wants to ensure that the employee records are updated efficiently, and that all queries return accurate results. Your job is to manage the employee records and assist with different updates and queries

Database Schema:

Table: employees

id	name	position	salary	department

id	name	position	salary	department
1	Rajesh Sharma	Manager	85000.00	HR
2	Pooja Verma	Developer	60000.00	IT
3	Anil Kumar	Designer	50000.00	Marketing

Question	Your Query	Status
The HR department wants to know how many employees are currently registered. Can you provide this information?	select count(*) from employees;	Accepted
Anil Kumar has recently been promoted to Senior Designer with a salary increase to 65000. Can you update his information and show the detail of the updated information?	update employees set salary=65000,position = 'Senior Designer' where id=3; select * from employees where id=3;	Accepted
Pooja Verma has left the company. Can you help remove her record from the employee database and display all remaining employees?	delete from employees where id =2; select * from employees;	Accepted
The company wants to know the total salary being paid to all employees. Can you help provide this information?	select sum(salary) total_salary from employees;	Accepted
A new employee, Rakesh Iyer, has joined the Marketing department as an Intern with a salary of 35000. Can you add his record and display the inserted data?	insert into employees (id,name,position,salary,department) values (4,'Rakesh Iyer','Intern',35000,'Marketing'); select * from employees where id=4;	Accepted

49. The Adventure Bookstore (ID: 7)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 04:59 PM

Status: Passed

You are managing a small bookstore that specializes in adventure novels. The owner wants to keep track of books in stock, their prices, and categories. Your job is to help manage the books database and handle customer queries about book availability, pricing, and stock.

Database Schema:

Table: books

id	title	category	price	stock
1	Treasure Island	Adventure	299.99	50
2	Moby Dick	Classic	399.99	20
3	The Odyssey	Epic	499.99	30

Question	Your Query	Status
A customer wants to know how many books are available in the bookstore. Can you provide this information?	select count(*) from books;	Accepted
The stock of 'Treasure Island' has decreased after sales. Update the stock to 45 units.	update books set stock=45 where id=1;	Accepted
A new adventure book, 'Around the World in 80 Days,' is now in stock with 100 units and a price of ¹350. Add this book	insert into books (id ,title, category, price,stock) values (4,'Around the World in 80 Days','Adventure',350,100);	Accepted
The manager wants to know the total value of books in stock. Can you calculate the total	select sum(price*stock) total_value from books;	Accepted

Question	Your Query	Status
value?		
The book 'Moby Dick' has gone out of print. Can you remove it from the database?	delete from books where id=2;	Accepted

50. TechCorp's Employee Management System (ID: 3)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 04:53 PM

Status: Passed

TechCorp, a growing technology company, has hired you to help manage their employee database. As their SQL expert, you're tasked with writing queries to help the HR department and management team make informed decisions about their workforce. The database contains information about each employee, including their name, department, position, hire date, and salary. Your job is to provide insights and help manage employee data effectively.

Database Schema:

Table: employees

id	name	department	position	hire_date	salary
1	John Doe	Sales	Manager	2020-01-15	75000.00
2	Jane Smith	Marketing	Specialist	2021-03-01	60000.00
3	Bob Johnson	IT	Developer	2019-11-01	80000.00
4	Alice Brown	HR	Coordinator	2022-06-15	55000.00
5	Charlie Wilson	Sales	Representative	2021-09-01	50000.00

Question	Your Query	Status
The HR department wants to know the average salary for each department. Can you provide a list of departments and their average salaries, rounded to two decimal places in Descending order?	select department,round(AVG(salary),2)as avg_salary from employees group by department order by avg_salary desc;	Accepted
Management wants to give a 5% raise to all employees who have been with the company for more than 2 years. Update the salaries for eligible employees and then display their names, new salaries, and the amount of the raise. (Assume current date as '2024-12-20')	update employees set salary=salary*1.05 where hire_date < '2024-12-20'; select name,salary,salary-(salary/1.05) from employees where hire_date< '2024-12-20';	Accepted
HR notices that the 'IT' department is missing a manager. Add a new employee named 'Eva Green' as the IT Manager, with today's date as the hire date and a salary of 90000.00. Then display all employees in the IT department. (Assume current date as '2024-12-20')	insert into employees (id,name,department,position,hire_date,salary) values (6,'Eva Green','IT','Manager','2024-12-20',90000.00); select * from employees where department='IT';	Accepted
The company is planning its budget for the next year. They need to know the total salary expenditure for each department, as well as the percentage of the total company salary that each department represents in descending order. Can you provide this information?	select department,sum(salary) as total_salary, round(sum(salary)*100.0/(select sum(salary) from employees),2) percentage_salary from employees group by department order by total_salary desc;	Accepted

51. Video Game Catalog (ID: 28)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 15, 2025, 04:21 PM

Status: Passed

You work for a video game company that develops and publishes games. Your job is to manage a database that stores information about different video games, including the title, developer, release date, platform, and genre. This helps your team keep track of which games were developed for which platforms and their release timelines.

Database Schema:

Table: video_games

game_id	game_name	platform	genre	release_date	developer
1	The Legend of Zelda: Breath of the Wild	Nintendo Switch	Action-Adventure	2017-03-03	Nintendo
2	God of War: Ragnarok	PlayStation	Action	2022-11-09	Santa Monica Studio
3	Cyberpunk 2077	PC	RPG	2020-12-10	CD Projekt
4	Halo Infinite	Xbox	Shooter	2021-12-08	343 Industries
5	Elden Ring	PC	RPG	2022-02-25	FromSoftware

Question	Your Query	Status
List all video games released after 2020	select * from video_games where release_date >'2020-12-10';	Accepted
Find the number of games available on the 'PC' platform	select count(game_name) from video_games where platform='PC';	Accepted
Retrieve details of games developed by 'Nintendo'	select * from video_games where developer='Nintendo';	Accepted
List all games with 'RPG' as the genre and sort them by release date	select * from video_games where genre='RPG' order by release_date desc;	Accepted
Find the average release year for all video games (Use 'strftime()')	select avg(release_date) from video_games;	Accepted

52. Music Application (ID: 27)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 12, 2025, 02:04 PM

Status: Passed

As a data analyst for a music app, you're responsible for tracking music playlists created by users. Your database stores details like the playlist name, created by, number of songs, and total duration. Users want to discover playlists based on length and number of songs, and your organized data helps them find the perfect tunes.

Database Schema:

Table: music_playlists

playlist_id	playlist_name	genre	created_by	number_of_songs	total_duration
1	Chill Vibes	Lo-Fi	Alice	30	01:50:00
2	Workout Hits	Pop	Bob	50	02:30:00
3	Jazz Classics	Jazz	Charlie	25	01:40:00
4	EDM Bangers	EDM	David	40	02:10:00
5	Rock Anthems	Rock	Eve	35	01:55:00

Question	Your Query	Status
List all playlists with more than 30 songs	select * from music_playlists where number_of_songs>30;	Accepted

Question	Your Query	Status
Retrieve the longest playlist by total duration	select * from music_playlists order by total_duration desc limit 1;	Accepted
Show all playlists created by 'Charlie'	select * from music_playlists where created_by='Charlie';	Accepted
Find the average number of songs across all playlists	select avg(number_of_songs) from music_playlists;	Accepted

53. Chocolate Distribution Center Management (ID: 20)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 8, 2025, 05:25 PM

Status: Passed

The local chocolate distribution center needs to manage various chocolate types, their stock, and transactions. You are tasked with setting up the database schema, populating it with data, and querying it to ensure proper management.

Database Schema:

Table: chocolates

id	name	type	quantity	price
1	Dark Delight	Dark	100	150.00
2	Milk Magic	Milk	200	120.00
3	Nutty Crunch	Nut	150	180.00

Question	Your Query	Status
Add a new type of chocolate, 'Berry Bliss', with 50 quantities and a price of 200 INR and show the inserted data.	insert into chocolates (id, name , type, quantity, price) values (4,'Berry Bliss','Berry',50,200); select * from chocolates where id=4;	Accepted
Update the quantity of 'Milk Magic' to 250 and display the updated record.	update chocolates set quantity=250 where id=2; select * from chocolates where id=2;	Accepted
Remove 'Nutty Crunch' from the inventory and display the remaining chocolates.	delete from chocolates where id=3; select * from chocolates;	Accepted
Retrieve all chocolate names and their prices sorted by price in descending order.	select name,price from chocolates order by price desc;	Accepted
Find the total number of chocolates in stock and display the result.	select sum(quantity) from chocolates;	Accepted

54. The Neighborhood Pet Registry (ID: 1)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 8, 2025, 04:11 PM

Status: Passed

In a small, pet-loving community, the local council decided to create a digital pet registry to keep track of all the furry, feathery, and scaly friends in the neighborhood. As the database administrator, you've been tasked with managing this new system. The registry contains information about each pet, including their name, species, age, and owner. Your job is to help the council members and pet owners with various queries and updates to the registry.

Database Schema:

Table: pets

id	name	species	age	owner
1	Fluffy	Cat	3	Alice
2	Buddy	Dog	5	Bob
3	Tweety	Bird	1	Charlie
4	Nemo	Fish	2	David
5	Hammy	Hamster	1	Eve

Question	Your Query	Status
The council wants to know how many pets are currently registered. Can you help them get this information?	select COUNT (id) from pets;	Accepted
Alice is worried she might have given the wrong age for her cat, Fluffy. Can you help her check Fluffy's current age in the registry?	select age from pets where name= 'Fluffy';	Accepted
Bob realizes he made a mistake. His dog Buddy is actually 6 years old, not 5. Can you help update this information in the registry and then display Buddy's information?	UPDATE pets SET age = 6 where name ='Buddy'; select * from pets where id=2;	Accepted
Eve's friend Grace just moved to the neighborhood with her turtle, Shelly. Can you help add Shelly to the registry? Shelly is 10 years old, and should have the ID 6. After adding Shelly, please display all the information of pets owned by Grace.	insert into pets (id,name,age,species,owner) values (6,'Shelly',10,'Turtle','Grace'); select * from pets where owner='Grace';	Accepted

55. Swiggy Order Management (ID: 18)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 8, 2025, 03:41 PM

Status: Passed

Swiggy manages orders from different restaurants. Perform queries to manage and check order data.

Database Schema:

Table: orders

id	restaurant_name	item_name	quantity	order_date
1	The Italian Bistro	Margherita Pizza	2	2024-09-10
2	Chinese Delight	Spring Rolls	5	2024-09-11

Question	Your Query	Status
List all orders in the system.	select * from orders;	Accepted
Find the quantity of 'Spring Rolls' ordered on '2024-09-11'.	select quantity from orders where item_name='Spring Rolls';	Accepted
Update the quantity of 'Margherita Pizza' to 3 and display the updated order list.	update orders set quantity=3 where item_name='Margherita Pizza'; select * from orders; -- where item_name='Margherita Pizza';	Accepted
Find the restaurant name for the order with ID 1.	select restaurant_name from orders where id=1;	Accepted
Show all orders placed on '2024-09-10'.	select * from orders where order_date='2024-09-10';	Accepted

56. School Supply Store (ID: 14)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 7, 2025, 11:06 PM

Status: Passed

The School Supply Store provides various stationery items for students and teachers. You manage their inventory.

Database Schema:

Table: supplies

id	item_name	category	price	stock
1	Notebooks	Stationery	50.00	100
2	Pens	Writing	20.00	200
3	Markers	Drawing	60.00	75

Question	Your Query	Status
List all items in the 'Writing' category.	select * from supplies where category = 'Writing';	Accepted
Find the total number of items in stock for each category.	select category,stock from supplies group by category;	Accepted
Update the stock of 'Markers' to 90 and display the updated stock.	update supplies set stock= 90 where item_name='Markers'; select * from supplies where item_name='Markers';	Accepted
Calculate the total value of all items in stock.	select sum(stock*price) from supplies;	Accepted
Remove the item 'Pens' from the database	delete from supplies where item_name='Pens';	Accepted

57. Local Farmers Market (ID: 13)

Tags: sql, post-midterm-gu-3rd-sem-28

Submitted: Oct 7, 2025, 10:39 PM

Status: Passed

The Local Farmers Market sells fresh produce. You handle their inventory and sales data.

Database Schema:

Table: produce

id	item_name	category	price	quantity
1	Apples	Fruit	80.00	50
2	Carrots	Vegetable	40.00	30
3	Potatoes	Vegetable	30.00	40

Question	Your Query	Status
List all items in the 'Vegetable' category.	select * from produce where category = 'Vegetable';	Accepted
Find the total number of items in stock for each category.	select category,sum(quantity) from produce group by category;	Accepted
Update the price of 'Carrots' display all 'Vegetable' items to confirm the update.	update produce set price= 45 where item_name ='Carrots'; select * from produce where category='Vegetable';	Accepted

Question	Your Query	Status
Find the average price of produce items in stock.	select avg(price) from produce;	Accepted
Delete the 'Potatoes' entry from the database.	delete from produce where item_name = 'Potatoes';	Accepted

58. Reliance Mart Shopping Database (ID: 6)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 5, 2025, 01:48 AM

Status: Passed

Reliance Mart has decided to create a digital shopping cart system to keep track of all the products purchased by customers. As a database administrator, you are responsible for managing this system. The database contains product information, including product names, categories, prices, and stock. You need to handle various customer and inventory requests.

Database Schema:

Table: products

id	name	category	price	stock
1	Rice	Groceries	500.00	100
2	Shampoo	Personal Care	200.00	50
3	Biscuits	Snacks	50.00	200
4	Washing Powder	Home Care	300.00	80

Question	Your Query	Status
A customer wants to know the total number of products available in Reliance Mart. Can you provide this information?	select count (*) from products;	Accepted
The stock of 'Shampoo' is running low. Update the stock to 100 units and display the updated information for 'Shampoo'.	update products set stock =100 WHERE name ='Shampoo'; SELECT * FROM products WHERE name = 'Shampoo';	Accepted
A batch of expired 'Biscuits' was discovered. Can you remove this product from the database and show all remaining products?	delete from products WHERE name = 'Biscuits'; SELECT * FROM products;	Accepted
The manager wants to know the total value of all products in stock. Can you calculate the total value of the inventory?	SELECT SUM(price * stock) AS total_inventory_value FROM products;	Accepted
A new product, 'Hand Sanitizer', has been introduced to the Personal Care category. It costs ¹150 and has 200 units you add this product to the database and display its details?	insert into products (id,name, category,price, stock) values (5,'Hand Sanitizer','Personal Care',150,200); select * from products where id=5;	Accepted

59. Gadget Grove's Inventory and Sales Tracking (ID: 4)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 5, 2025, 12:45 AM

Status: Passed

GadgetGrove, a popular electronics and sports equipment store, has hired you to help manage their inventory and sales database. As their SQL expert, you're tasked with writing queries to help the store manager make informed decisions about inventory management and sales strategies. The database contains two tables: 'products' for inventory information and 'sales' for transaction records. Your job is to provide insights and help optimize the store's operations.

id	name	category	price	stock_quantity
1	Laptop	Electronics	999.99	50
2	Smartphone	Electronics	599.99	100
3	Headphones	Electronics	149.99	200
4	Running Shoes	Sports	79.99	150
5	Yoga Mat	Sports	29.99	100

Table: sales

id	product_id	sale_date	quantity
1	1	2023-01-15	5
2	2	2023-01-16	10
3	3	2023-01-17	15
4	4	2023-01-18	8
5	5	2023-01-19	12
6	1	2023-01-20	3
7	2	2023-01-21	7

Question	Your Query	Status
The store manager wants to know which products are running low on stock. Can you provide a list of products with less than 100 items in stock, showing the product name, current stock quantity, and category in ascending order(stock_quantity)?	select name,stock_quantity,category from products where stock_quantity<100 order by stock_quantity asc;	Accepted
The marketing team wants to run a promotion on the least sold product. Can you find the product with the lowest total quantity sold, and display its name, category, and total quantity sold?	select name,min(category) category ,sum(quantity) as total_quantity from products p join sales s on p.id=s.product_id group by p.id order by total_quantity asc limit 1;	Accepted
The store recently received a new shipment of Laptops. Update the stock quantity of Laptops by adding 25 to the current stock. Then, display the updated product information for Laptops.	update products set stock_quantity=50+25 where name ='Laptop'; select * from products where name ='Laptop';	Accepted
The finance department needs a report on the total revenue generated by each product category. Can you calculate the total revenue (price * quantity sold) round of to 2 decimal value for each category and display the category and total revenue in descending order?	select category, round(sum(price*quantity),2) as total_revenue from products p inner join sales s on p.id = s.product_id group by category order by total_revenue desc;	Accepted
The store manager wants to identify the best-selling product in terms of quantity sold. Find the product with the highest total quantity sold, and display its name, total quantity sold, and the date of its last sale.	select name ,sum(quantity) as total_quantity,max(sale_date) sale_date from products p join sales s on p.id = s.product_id group by p.id order by total_quantity desc limit 1;	Accepted

60. The Bookworm's Haven Inventory System (ID: 2)

Tags: sql, pre-midterm-gu-3rd-sem-28

Submitted: Oct 3, 2025, 01:17 AM

Status: Passed

Bookworm's Haven, a cozy independent bookstore, has decided to upgrade its inventory management system. As their new database consultant, you've been tasked with setting up and managing the store's book database. The database contains information about each book, including its title, author, publication year, genre, price, and current stock. Your job is to help the store owner and staff with various queries and updates to optimize their inventory and sales strategies.

Database Schema:

Table: books

id	title	author	publication_year	genre	price	stock
1	To Kill a Mockingbird	Harper Lee	1960	Fiction	12.99	10
2	1984	George Orwell	1949	Science Ficton	10.99	15
3	Pride and Prejudice	Jane Austen	1813	Romance	9.99	5
4	The Hobbit	J.R.R. Tolkien	1937	Fantasy	14.99	20
5	The Catcher in the Rye	J.D.Salinger	1951	Fiction	11.99	8

Question	Your Query	Status
The store owner wants to know the total value of their current inventory. Can you calculate the total value (price * stock) of all books in the store?	Select SUM(price*stock)As total_inventry_value from books;	Accepted
The staff is preparing for a genre-focused promotion. They need a list of all unique genres in the database, along with the count of books in each genre. Can you provide this information?	SELECT genre, COUNT(*) AS book_count FROM books GROUP BY genre order by book_count desc;	Accepted
The store decides to apply a 10% discount to all books published before 1950. Can you update the prices and then display the titles, original prices, and new prices of the affected books?	select title, price * 0.9 as new_price, price as price from books where publication_year < 1950;	Accepted
A customer is looking for books that are either in the 'Fiction' genre or priced under $12. Can you provide a list of books that meet either of these criteria, showing the title, author, genre, and price?	SELECT title, author, genre, price FROM books WHERE genre = 'Fiction' OR price < 12;	Accepted
The store owner wants to identify books that are potentially overstocked. Find books with more than 10 copies in stock and calculate how many days it would take to sell all copies if they sold one per day. Then, display the title, current stock, and days to sell all copies, sorted by the number of days in descending order ?	SELECT title, stock AS current_stock, stock AS days_to_sell FROM books WHERE stock > 10 ORDER BY days_to_sell DESC;	Accepted