Q1 Preponed Departure Date

Due to some reason, the onboarding flights are preponed for five days other than the flights that are not departing from 'Miami'.

Write a query to display the booking id, flight_name and preponed date. Give an alias name to the preponed date as 'PREPONED_DEPARTURE_DATE'.

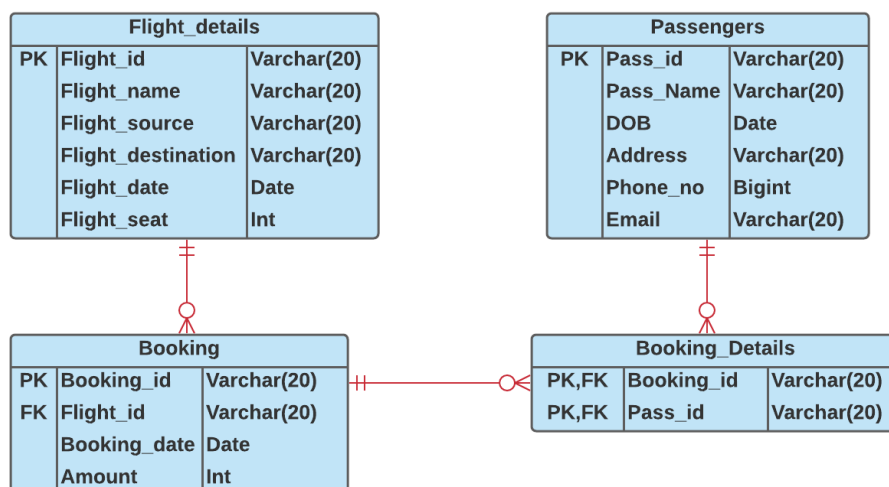Sort the results based on the booking id in descending order.

SAMPLE DATA:

Booking_id	flight_name	flight_source	flight_date
B1	United Airlines	Denver	2019-07-05
B2	Kingfisher Airlines	Miami	2019-08-04
B3	Qatar Airways	San Antonio	2019-03-21

SAMPLE OUTPUT:

Booking_id	flight_name	PREPONED_DEPARTURE_DATE
B1	United Airlines	2019-06-30
B3	Qatar Airways	2019-11-26

FLIGHT MANAGEMENT SYSTEM

Flight_details	
PK	Flight_id	Varchar(20)
	Flight_name	Varchar(20)
	Flight_source	Varchar(20)
	Flight_destination	Varchar(20)
	Flight_date	Date
	Flight_seat	Int

Passengers	
PK	Pass_id	Varchar(20)
	Pass_Name	Varchar(20)
	DOB	Date
	Address	Varchar(20)
	Phone_no	Bigint
	Email	Varchar(20)

Booking	
PK	Booking_id	Varchar(20)
FK	Flight_id	Varchar(20)
	Booking_date	Date
	Amount	Int

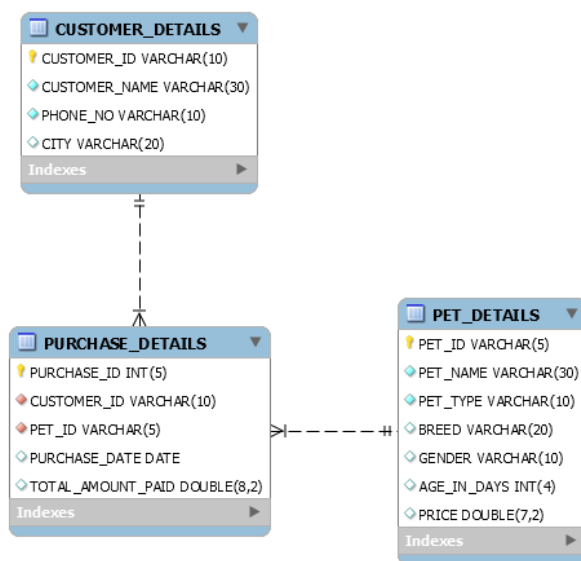| Booking_Details	
PK,FK	Booking_id	Varchar(20)
PK,FK	Pass_id	Varchar(20)

Q2 Customer Purchase Details

Write a query to display the customer id, customer name, phone number, and purchase date of all the pets purchased by customers other than 'Delhi' city.

Sort the records based on the customer id in descending order.

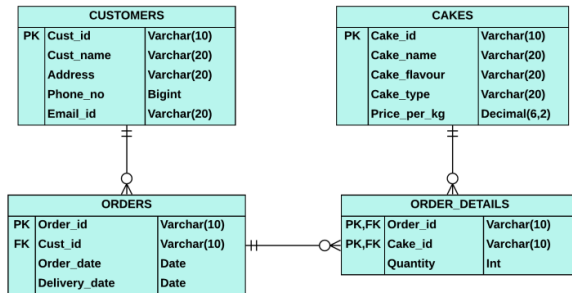(Hint: Data is case sensitive.)

Q3 Customer With Email

Write a query to display the customer name, order id, and order date of customers only with 'gmail' account.
Sort the records based on the order id in descending order.

(Hint: Data is case-sensitive.)

CUSTOMERS		
PK	Cust_id	Varchar(10)
	Cust_name	Varchar(20)
	Address	Varchar(20)
	Phone_no	Bigint
	Email_id	Varchar(20)

CAKES		
PK	Cake_id	Varchar(10)
	Cake_name	Varchar(20)
	Cake_flavour	Varchar(20)
	Cake_type	Varchar(20)
	Price_per_kg	Decimal(6,2)

ORDERS		
PK	Order_id	Varchar(10)
FK	Cust_id	Varchar(10)
	Order_date	Date
	Delivery_date	Date

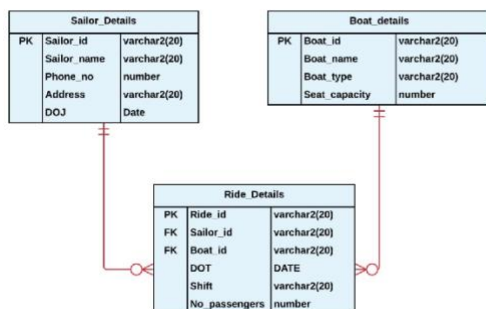| ORDER_DETAILS		
PK,FK	Order_id	Varchar(10)
PK,FK	Cake_id	Varchar(10)
	Quantity	Int

Q4 Boat With Same Capacity

Write a query to display the Id and name of all the boats with the same seating capacity.

Sort the results based on the boat name in ascending order.

"SPLASH RIDE" BOAT MANAGEMENT SYSTEM

Sailor_Details		
PK	Sailor_id	varchar2(20)
	Sailor_name	varchar2(20)
	Phone_no	number
	Address	varchar2(20)
	DOJ	Date

Boat_details		
PK	Boat_id	varchar2(20)
	Boat_name	varchar2(20)
	Boat_type	varchar2(20)
	Seat_capacity	number

Ride_Details		
PK	Ride_id	varchar2(20)
FK	Sailor_id	varchar2(20)
FK	Boat_id	varchar2(20)
	DOT	DATE
	Shift	varchar2(20)
	No_passengers	number

Q5 Product Category Details

Write a query to display the unique product name and category of all products with a rating of less than 3.

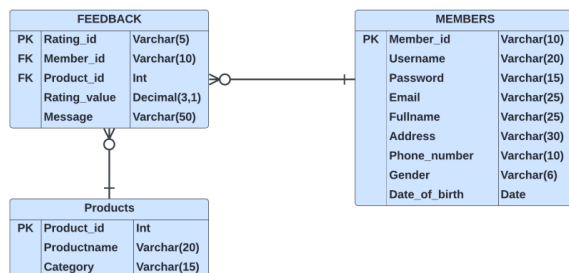Sort the results based on the product name in ascending order.
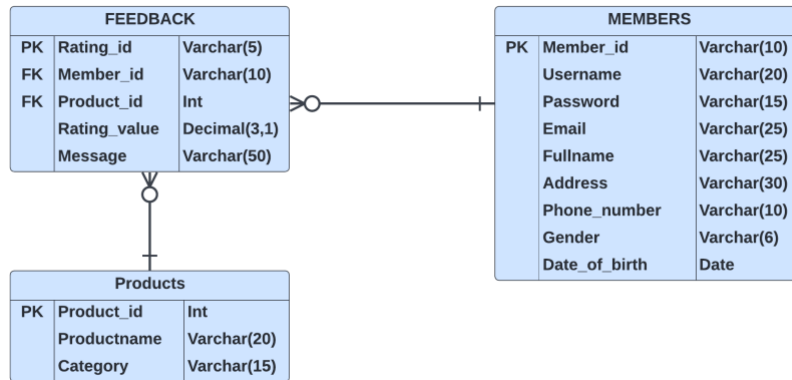
Q6 **Member and product details**

Write a query to display the full name, email, member id and product id of all the members who were born in first and last month of the year.

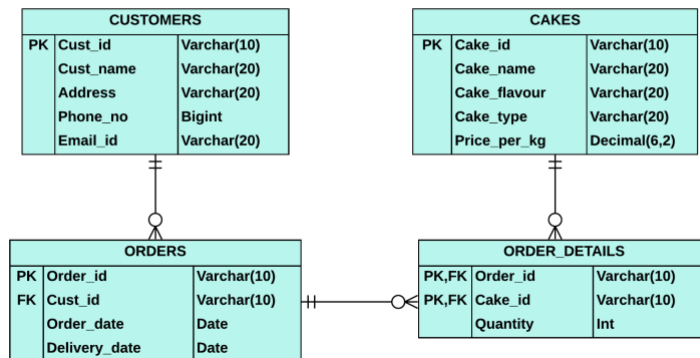Sort the records based on the full name in descending order.

Q7 **Date Of Delivery**

Write a query to display the customer name, email id and address of all the customers whose cakes are not delivered on the ordered date. If the address is not available, then display the phone number. Give an alias name as 'Contact_Info' for the address of the customer.

Sort the results based on the customer name in ascending order.

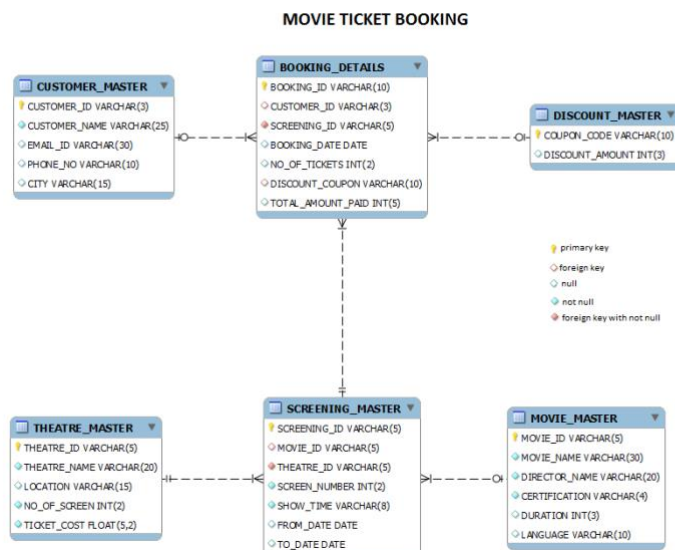**"BAKE OFF"- CAKE ORDERING SYSTEM**

CUSTOMERS	
PK	Cust_id	Varchar(10)
	Cust_name	Varchar(20)
	Address	Varchar(20)
	Phone_no	Bigint
	Email_id	Varchar(20)

CAKES	
PK	Cake_id	Varchar(10)
	Cake_name	Varchar(20)
	Cake_flavour	Varchar(20)
	Cake_type	Varchar(20)
	Price_per_kg	Decimal(6,2)

ORDERS	
PK	Order_id	Varchar(10)
FK	Cust_id	Varchar(10)
	Order_date	Date
	Delivery_date	Date

ORDER_DETAILS	
PK,FK	Order_id	Varchar(10)
PK,FK	Cake_id	Varchar(10)
	Quantity	Int

Q8 Movie And Theatre Details

Write a query to display the movie name, theatre id and duration of all the screened movies other than 'Hindi' language movies.

Sort the records based on the movie name in descending order.

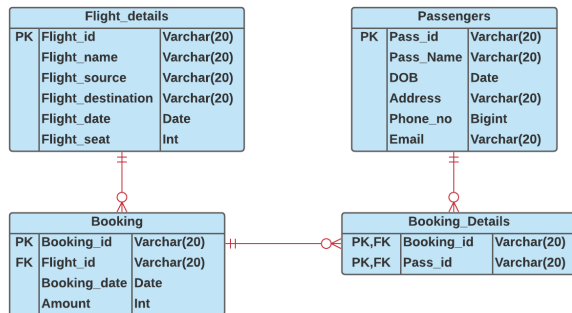(note: language can be in any case like: 'Hindi', 'hindi', 'HINDI')

MOVIE TICKET BOOKING

CUSTOMER_MASTER ▼
⚷ CUSTOMER_ID VARCHAR(3)
○ CUSTOMER_NAME VARCHAR(25)
○ EMAIL_ID VARCHAR(30)
○ PHONE_NO VARCHAR(10)
○ CITY VARCHAR(15)

BOOKING_DETAILS ▼
⚷ BOOKING_ID VARCHAR(10)
○ CUSTOMER_ID VARCHAR(3)
● SCREENING_ID VARCHAR(5)
○ BOOKING_DATE DATE
○ NO_OF_TICKETS INT(2)
○ DISCOUNT_COUPON VARCHAR(10)
○ TOTAL_AMOUNT_PAID INT(5)

DISCOUNT_MASTER ▼
⚷ COUPON_CODE VARCHAR(10)
○ DISCOUNT_AMOUNT INT(3)

⚷ primary key
○ foreign key
○ null
◔ not null
● foreign key with not null

THEATRE_MASTER ▼
⚷ THEATRE_ID VARCHAR(5)
○ THEATRE_NAME VARCHAR(20)
○ LOCATION VARCHAR(15)
○ NO_OF_SCREEN INT(2)
○ TICKET_COST FLOAT(5,2)

SCREENING_MASTER ▼
⚷ SCREENING_ID VARCHAR(5)
○ MOVIE_ID VARCHAR(5)
● THEATRE_ID VARCHAR(5)
○ SCREEN_NUMBER INT(2)
○ SHOW_TIME VARCHAR(8)
○ FROM_DATE DATE
○ TO_DATE DATE

MOVIE_MASTER ▼
⚷ MOVIE_ID VARCHAR(5)
○ MOVIE_NAME VARCHAR(30)
○ DIRECTOR_NAME VARCHAR(20)
○ CERTIFICATION VARCHAR(4)
○ DURATION INT(3)
○ LANGUAGE VARCHAR(10)

Q9 Chicago Flights

Write a query to display the name and source of all the flights that arrive in the same city,if and only if the flight doesn't arrive in 'Chicago'.

Sort the results based on the destination in ascending order and the name in ascending order.

(Note:Data is case sensitive.)

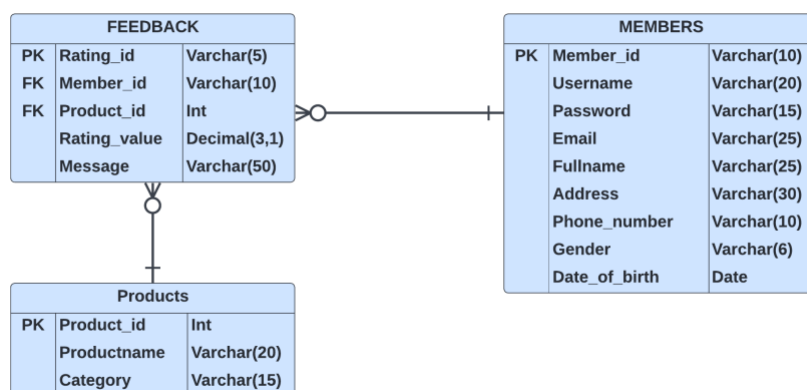| Flight_details		
PK	Flight_id	Varchar(20)
	Flight_name	Varchar(20)
	Flight_source	Varchar(20)
	Flight_destination	Varchar(20)
	Flight_date	Date
	Flight_seat	Int

Passengers		
PK	Pass_id	Varchar(20)
	Pass_Name	Varchar(20)
	DOB	Date
	Address	Varchar(20)
	Phone_no	Bigint
	Email	Varchar(20)

Booking		
PK	Booking_id	Varchar(20)
FK	Flight_id	Varchar(20)
	Booking_date	Date
	Amount	Int

Booking_Details		
PK,FK	Booking_id	Varchar(20)
PK,FK	Pass_id	Varchar(20)

Q10 Member Details Based On Condition

Write a query to display the full name of all the members with Gmail accounts who are from "Bangalore", if and only if the rating is greater than 4.

Sort the records based on the full name in descending order.

(**Hint:** Data is case sensitive)

FEEDBACK		
PK	Rating_id	Varchar(5)
FK	Member_id	Varchar(10)
FK	Product_id	Int
	Rating_value	Decimal(3,1)
	Message	Varchar(50)

MEMBERS		
PK	Member_id	Varchar(10)
	Username	Varchar(20)
	Password	Varchar(15)
	Email	Varchar(25)
	Fullname	Varchar(25)
	Address	Varchar(30)
	Phone_number	Varchar(10)
	Gender	Varchar(6)
	Date_of_birth	Date

Products		
PK	Product_id	Int
	Productname	Varchar(20)
	Category	Varchar(15)

Q11 Specific Patient Address

Write a query to display the first name of the patient, appointment reason, appointment time and bill amount of patients whose address contains 'Avenue' in it.

Sort the results based on the appointment time in ascending order.

(**Hint:** Data is case sensitive.)

DOCTOR-PATIENT

	BILL	
PK	Bill_number	Varchar(6)
	Bill_date	Date
	Bill_status	Varchar(8)
	Bill_amount	Decimal(7,2)
FK	App_number	Varchar(6)

	PAYMENT	
PK	Payment_id	Varchar(6)
	Pay_date	Date
	Pay_mode	Varchar(10)
	Pay_amount	Decimal(7,2)
FK	Bill_number	Varchar(6)

	APPOINTMENT	
PK	App_number	Varchar(6)
	App_date	Date
	App_time	Varchar(8)
	App_reason	Varchar(30)
FK	Doctor_id	Varchar(6)
FK	Patient_id	Varchar(6)

	PATIENT	
PK	Patient_id	Varchar(6)
	P_first_name	Varchar(15)
	P_middle_name	Varchar(15)
	P_last_name	Varchar(15)
	Address	Varchar(30)
	City	Varchar(15)
	Contact_number	Varchar(10)
	P_age	Int

	DOCTOR	
PK	Doctor_id	Varchar(6)
	Dr_first_name	Varchar(15)
	Dr_midddle_name	Varchar(15)
	Dr_last_name	Varchar(15)

Q12 Ordered Month

The shop manager likes to take a list of customers who ordered cakes from 'February' to 'August'. Write a query to display the unique customer name, email id and phone number of all customers.

Sort the results based on the customer name in ascending order.

"BAKE_OFF"- CAKE ORDERING SYSTEM

	CUSTOMERS	
PK	Cust_id	Varchar(10)
	Cust_name	Varchar(20)
	Address	Varchar(20)
	Phone_no	Bigint
	Email_id	Varchar(20)

	CAKES	
PK	Cake_id	Varchar(10)
	Cake_name	Varchar(20)
	Cake_flavour	Varchar(20)
	Cake_type	Varchar(20)
	Price_per_kg	Decimal(6,2)

	ORDERS	
PK	Order_id	Varchar(10)
FK	Cust_id	Varchar(10)
	Order_date	Date
	Delivery_date	Date

	ORDER_DETAILS	
PK,FK	Order_id	Varchar(10)
PK,FK	Cake_id	Varchar(10)
	Quantity	Int
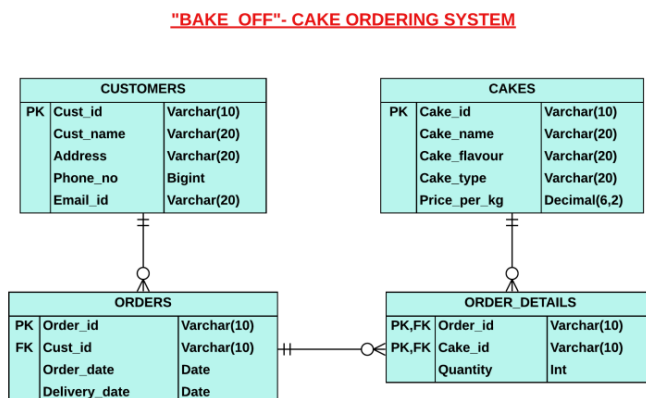
Q13 Seat Count

Due to the severe spread of an unknown disease, the government has decided to reduce the seating capacity by 25% to control the situation in the year 2000.

Write a query to display the boat id, boat name, boat type and SEAT_COUNT of all the boats that traveled in the year 2000. Give an alias name as 'SEAT_COUNT'. Round off the seat count to two decimal places.

Sort the results based on the boat name in descending order.

"SPLASH RIDE" BOAT MANAGEMENT SYSTEM

Sailor_Details		
PK	Sailor_id	varchar2(20)
	Sailor_name	varchar2(20)
	Phone_no	number
	Address	varchar2(20)
	DOJ	Date

Boat_details		
PK	Boat_id	varchar2(20)
	Boat_name	varchar2(20)
	Boat_type	varchar2(20)
	Seat_capacity	number

Ride_Details		
PK	Ride_id	varchar2(20)
FK	Sailor_id	varchar2(20)
FK	Boat_id	varchar2(20)
	DOT	DATE
	Shift	varchar2(20)
	No_passengers	number
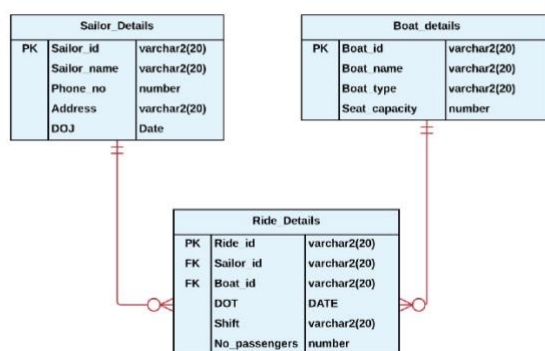
Q14 Movie Details

Write a query to display the Id, name and show time of all the 'Tamil' movies that are not 'A' certified.

Sort results based on the screening id in descending order.

(Note: Language may be 'Tamil, 'tamil', 'TAMIL')

MOVIE TICKET BOOKING

CUSTOMER_MASTER
CUSTOMER_ID VARCHAR(3)
CUSTOMER_NAME VARCHAR(25)
EMAIL_ID VARCHAR(30)
PHONE_NO VARCHAR(10)
CITY VARCHAR(15)

BOOKING_DETAILS
BOOKING_ID VARCHAR(10)
CUSTOMER_ID VARCHAR(3)
SCREENING_ID VARCHAR(5)
BOOKING_DATE DATE
NO_OF_TICKETS INT(2)
DISCOUNT_COUPON VARCHAR(10)
TOTAL_AMOUNT_PAID INT(5)

DISCOUNT_MASTER
COUPON_CODE VARCHAR(10)
DISCOUNT_AMOUNT INT(3)

- primary key
- foreign key
- null
- not null
- foreign key with not null

THEATRE_MASTER
THEATRE_ID VARCHAR(5)
THEATRE_NAME VARCHAR(20)
LOCATION VARCHAR(15)
NO_OF_SCREEN INT(2)
TICKET_COST FLOAT(5,2)

SCREENING_MASTER
SCREENING_ID VARCHAR(5)
MOVIE_ID VARCHAR(5)
THEATRE_ID VARCHAR(5)
SCREEN_NUMBER INT(2)
SHOW_TIME VARCHAR(8)
FROM_DATE DATE
TO_DATE DATE

MOVIE_MASTER
MOVIE_ID VARCHAR(5)
MOVIE_NAME VARCHAR(30)
DIRECTOR_NAME VARCHAR(20)
CERTIFICATION VARCHAR(4)
DURATION INT(3)
LANGUAGE VARCHAR(10)

Q15 Bill Payment

Write a query to display the patient id, first name, city and age of the patient who has not made payments.

Sort the results based on the age of the patient in ascending order.

DOCTOR-PATIENT

BILL		
PK	Bill_number	Varchar(6)
	Bill_date	Date
	Bill_status	Varchar(8)
	Bill_amount	Decimal(7,2)
FK	App_number	Varchar(6)

PAYMENT		
PK	Payment_id	Varchar(6)
	Pay_date	Date
	Pay_mode	Varchar(10)
	Pay_amount	Decimal(7,2)
FK	Bill_number	Varchar(6)

APPOINTMENT		
PK	App_number	Varchar(6)
	App_date	Date
	App_time	Varchar(8)
	App_reason	Varchar(30)
FK	Doctor_id	Varchar(6)
FK	Patient_id	Varchar(6)

PATIENT		
PK	Patient_id	Varchar(6)
	P_first_name	Varchar(15)
	P_middle_name	Varchar(15)
	P_last_name	Varchar(15)
	Address	Varchar(30)
	City	Varchar(15)
	Contact_number	Varchar(10)
	P_age	Int

DOCTOR		
PK	Doctor_id	Varchar(6)
	Dr_first_name	Varchar(15)
	Dr_midddle_name	Varchar(15)
	Dr_last_name	Varchar(15)

Q16 Policy Enrolled Customers With Gmail User

Write a query to display the customer id, customer name, policy id, total amount and number of years of all the customers who are enrolled in the policies using 'gmail' as their email.

Sort the results based on the enrollment id in descending order.

(Note: Data is case-sensitive.)

INSURANCE MANAGEMENT SYSTEM

CUSTOMER		
PK	CUSTOMER_ID	INT
	CUSTOMER_NAME	VARCHAR(30)
	GENDER	CHAR(1)
	DATE_OF_BIRTH	DATE
	PHONE_NUMBER	VARCHAR(10)
	EMAIL_ID	VARCHAR(40)
	ADDRESS	VARCHAR(100)

POLICY		
PK	POLICY_ID	VARCHAR(5)
	POLICY_NAME	VARCHAR(30)
	MINIMUM_YEAR	INT
	MAXIMUM_YEAR	INT
	MINIMUM_PREMIUM_AMOUNT	DECIMAL(6,2)
	RATE_OF_INTEREST	DECIMAL(5,2)
	BONUS_PERCENTAGE	DECIMAL(5,2)

POLICYENROLLMENT		
PK	ENROLLMENT_ID	VARCHAR(10)
FK	CUSTOMER_ID	INT
FK	POLICY_ID	VARCHAR(5)
	DATE_OF_ENROLLMENT	DATE
	TOTAL_AMOUNT	DECIMAL(9,2)
	NO_OF_YEARS	INT

PAYMENT		
PK	PAYMENT_ID	VARCHAR(5)
FK	ENROLLMENT_ID	VARCHAR(10)
	PAYMENT_DATE	DATE
	PAID_DATE	DATE
	FINE_AMOUNT	DECIMAL(6,2)
	TOTAL_PREMIUM_PAID	DECIMAL(9,2)
	MODE_OF_PAYMENT	VARCHAR(15)

Q17 Male Policy Enrollments

Write a query to display the customer id, customer name and policy id of all the policies enrolled by male customers.

Sort the results based on the enrollment id in descending order.

(Hint: Gender contains 'M' or 'F'.)

(Note: Data is case-sensitive.)

INSURANCE MANAGEMENT SYSTEM

CUSTOMER		
PK	CUSTOMER_ID	INT
	CUSTOMER_NAME	VARCHAR(30)
	GENDER	CHAR(1)
	DATE_OF_BIRTH	DATE
	PHONE_NUMBER	VARCHAR(10)
	EMAIL_ID	VARCHAR(40)
	ADDRESS	VARCHAR(100)

POLICY		
PK	POLICY_ID	VARCHAR(5)
	POLICY_NAME	VARCHAR(30)
	MINIMUM_YEAR	INT
	MAXIMUM_YEAR	INT
	MINIMUM_PREMIUM_AMOUNT	DECIMAL(6,2)
	RATE_OF_INTEREST	DECIMAL(5,2)
	BONUS_PERCENTAGE	DECIMAL(5,2)

POLICYENROLLMENT		
PK	ENROLLMENT_ID	VARCHAR(10)
FK	CUSTOMER_ID	INT
FK	POLICY_ID	VARCHAR(5)
	DATE_OF_ENROLLMENT	DATE
	TOTAL_AMOUNT	DECIMAL(9,2)
	NO_OF_YEARS	INT

PAYMENT		
PK	PAYMENT_ID	VARCHAR(5)
FK	ENROLLMENT_ID	VARCHAR(10)
	PAYMENT_DATE	DATE
	PAID_DATE	DATE
	FINE_AMOUNT	DECIMAL(6,2)
	TOTAL_PREMIUM_PAID	DECIMAL(9,2)
	MODE_OF_PAYMENT	VARCHAR(15)

Q18 Most Number Of Years

Write a query to display the policy id and name of the policies that were enrolled for the most number of years.

Sort the records based on the policy name in ascending order.

(**Hint:** Use NO_OF_YEARS to calculate the most number of years.)

INSURANCE MANAGEMENT SYSTEM

CUSTOMER		
PK	CUSTOMER_ID	INT
	CUSTOMER_NAME	VARCHAR(30)
	GENDER	CHAR(1)
	DATE_OF_BIRTH	DATE
	PHONE_NUMBER	VARCHAR(10)
	EMAIL_ID	VARCHAR(40)
	ADDRESS	VARCHAR(100)

POLICY		
PK	POLICY_ID	VARCHAR(5)
	POLICY_NAME	VARCHAR(30)
	MINIMUM_YEAR	INT
	MAXIMUM_YEAR	INT
	MINIMUM_PREMIUM_AMOUNT	DECIMAL(6,2)
	RATE_OF_INTEREST	DECIMAL(5,2)
	BONUS_PERCENTAGE	DECIMAL(5,2)

POLICYENROLLMENT		
PK	ENROLLMENT_ID	VARCHAR(10)
FK	CUSTOMER_ID	INT
FK	POLICY_ID	VARCHAR(5)
	DATE_OF_ENROLLMENT	DATE
	TOTAL_AMOUNT	DECIMAL(9,2)
	NO_OF_YEARS	INT

PAYMENT		
PK	PAYMENT_ID	VARCHAR(5)
FK	ENROLLMENT_ID	VARCHAR(10)
	PAYMENT_DATE	DATE
	PAID_DATE	DATE
	FINE_AMOUNT	DECIMAL(6,2)
	TOTAL_PREMIUM_PAID	DECIMAL(9,2)
	MODE_OF_PAYMENT	VARCHAR(15)

Q19 Customer And Booking Details

Write a query to display the name and total amount paid by all the customers who booked tickets in the year 2018.

Sort the results based on the booking id in descending order.

MOVIE TICKET BOOKING
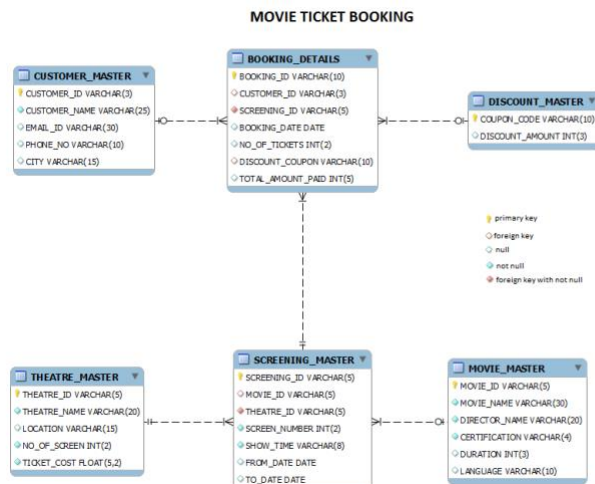
Q20 Patient from Same City

Write a query to display the first name and city of the patient who hails from the same city.

Sort the results based on the city in ascending order and first name of the patient in ascending order.

DOCTOR-PATIENT
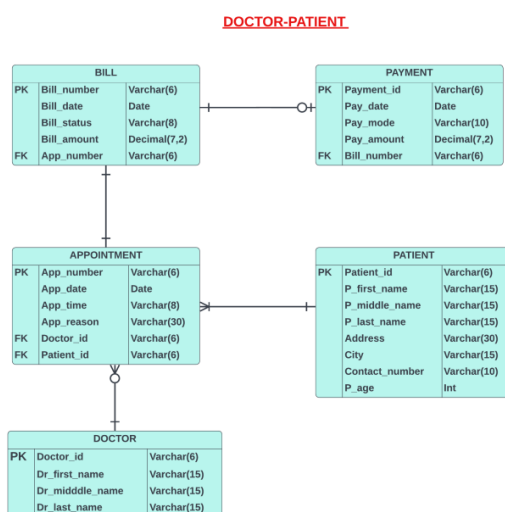
Q21 Recent Subscriber

Write a query to display the name of the subscriber who most recently recharged their phone number.

If there is more than 1 record, sort the records based on the customer name in descending order.

Mobile Prepaid System
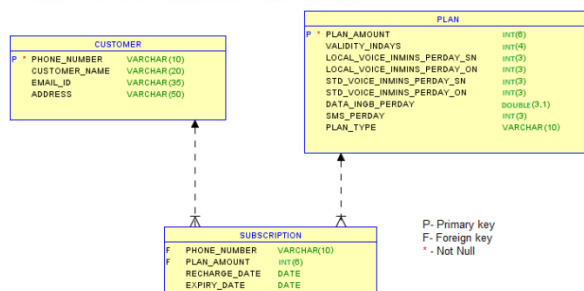
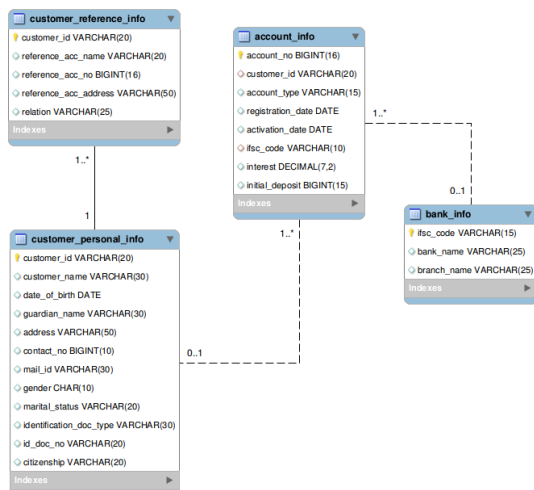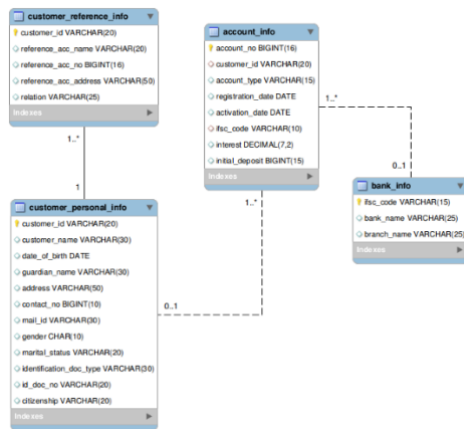# Q22 Customer details based on gender

Please follow instructions given below.

Write a query which will display the customer id, customer name, date of birth, Marital Status, Gender, Guardian name, contact no and email id of the customers whose gender is male 'M' and marital status is MARRIED.

Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)
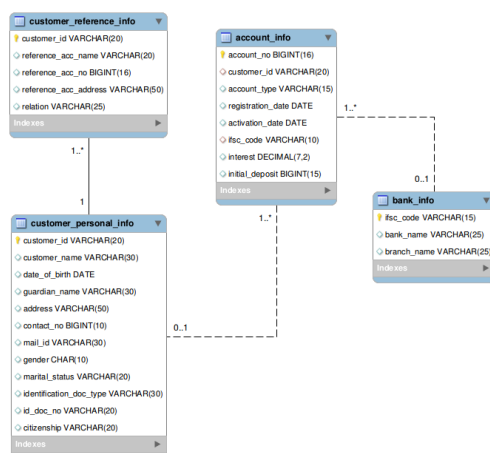
Q23 **Passcode generation**

Please follow instructions given below.

Write a query which will display customer id, account number and passcode.
 Hint: To generate passcode, join the last three digits of customer id and last four digit of account number. Example C-001 1234567898765432 0015432 Use "PASSCODE" as alias name for displaying the passcode. Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)
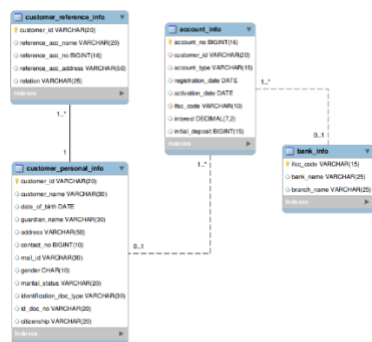
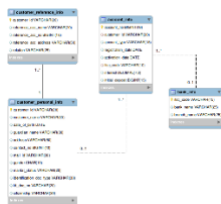## Q24 **Customer details based on name**

Please follow instructions given below.

Write a query which will display customer id, customer name, date of birth, guardian name of the customers whose name starts with 'J'.

Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)
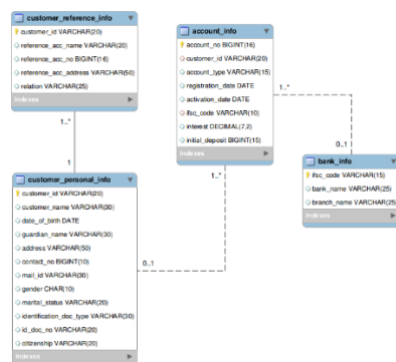
Q25 Customer details based on name starting with 'J'

Please follow instructions given below.

Write a query which will display customer id, customer name, account number, account type, bank name, ifsc code, initial deposit amount and new interest amount for the customers whose name starts with 'J'.

Hint: Formula for calculating 'new interest amount' is if customers account type is 'SAVINGS' then add 10 % on current interest amount to interest amount else display the current interest amount. Round the new interest amount to 2 decimals. Use 'NEW_INTEREST' as alias name for displaying the new interest amount. Example, Assume Jack has savings account and his current interest amount is 10.00, then the new interest amount is 11.00 i.e (10 + (10 * 10/100)). Display the records sorted in ascending order based on customer id.
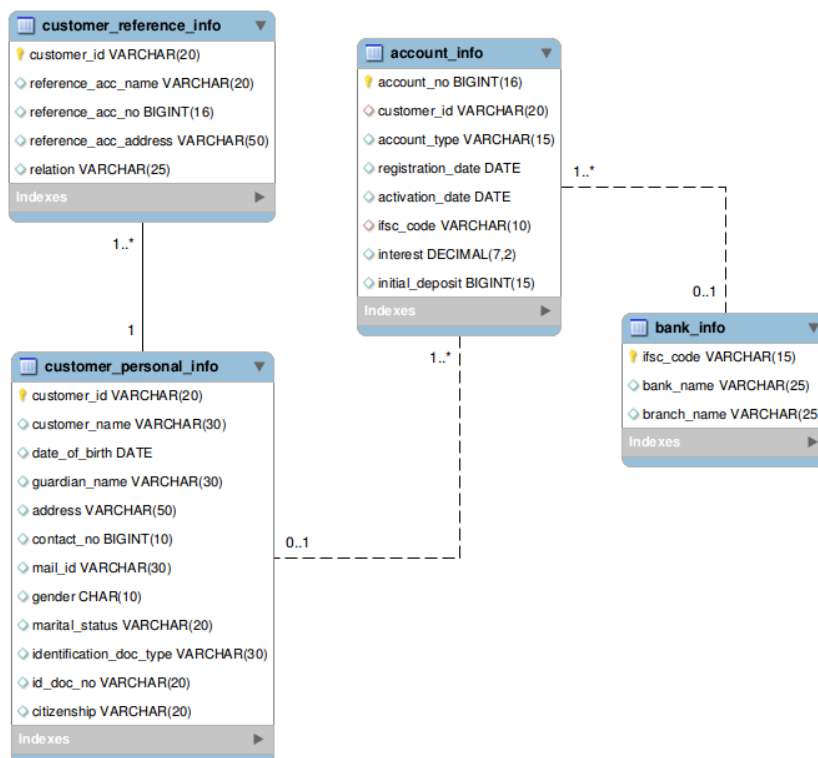
Q26 Customer details based on tax

Please follow instructions given below.

Write query to display the customer id, customer name, account no, initial deposit, tax percentage as calculated below.

Hint: If initial deposit = 0 then tax is '0%' If initial deposit <= 10000 then tax is '3%' If initial deposit > 10000 and initial deposit < 20000 then tax is '5%' If initial deposit >= 20000 and initial deposit<=30000 then tax is '7%' If initial deposit > 30000 then tax is '10%' Use the alias name 'taxPercentage'. Display the records sorted in ascending order based on customer id.
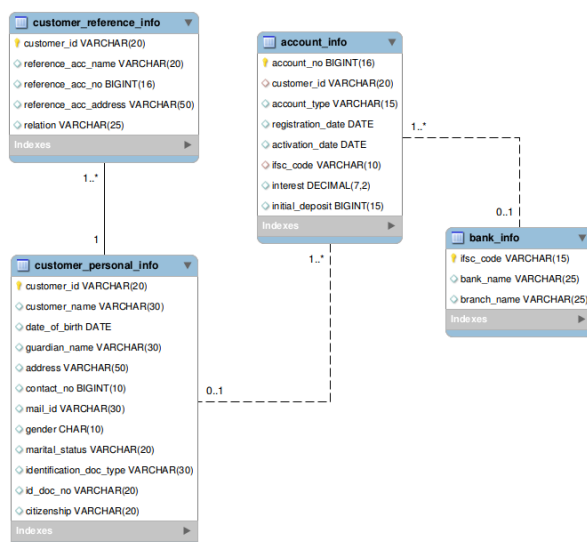
Q27 Customer account details

Please follow instructions given below.

Write a query which will display the customer id, account type they hold, their account number and bank name.

Display the records sorted in ascending order based on customer id.
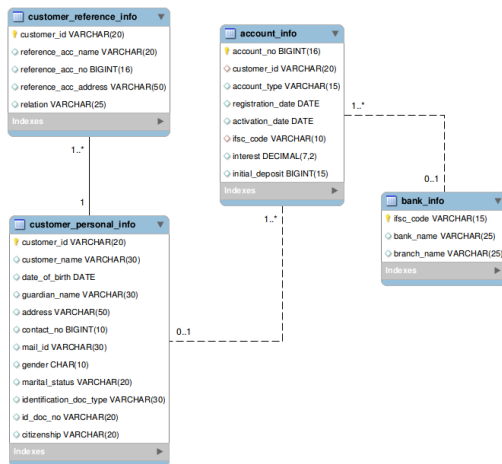
Q28 Customer interest details based on friend reference

Please follow instructions given below.

Write a query which will display the customer id, customer name, guardian name, reference account holders name of the customers who are referenced / referred by their 'FRIEND'.

Display the records sorted in ascending order based on customer id.
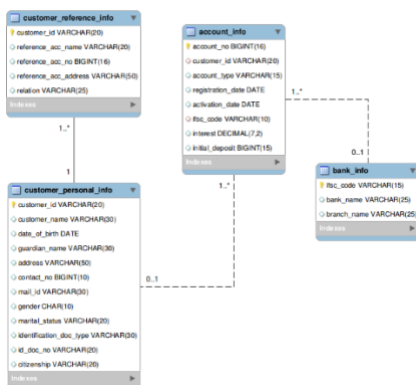
Q29 Customer interest details in specified format

Please follow instructions given below.
 Write a query to display the customer id, account number and interest amount in the below format with INTEREST_AMT as alias name. Sort the result based on the interest in ascending order and then by customer id in ascending order. Example: $5

Hint: Need to prefix $ to interest amount and round the result without decimals.
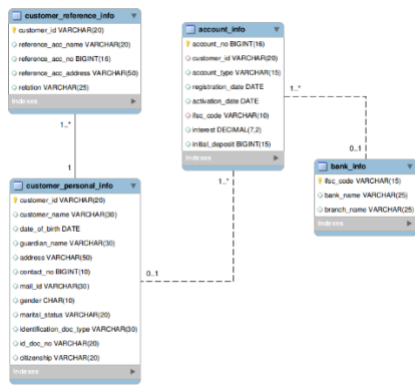
Q30 Customer details based on activation date

Please follow instructions given below.

Write a query which will display the customer id, customer name, account no, account type, activation date, bank name whose account will be activated on '10-APR-2012'.

Display the records sorted in ascending order based on customer id.
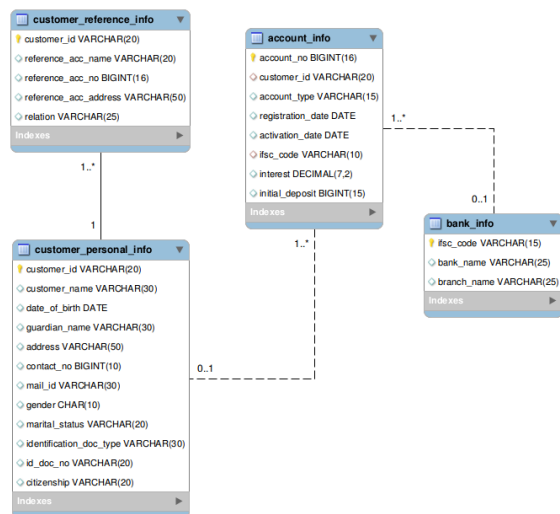
Q31 Customer details based on interest and deposit amount

Please follow instructions given below.

Write a query which will display account number, customer id, customer name, bank name, branch name, ifsc code, citizenship, interest and initial deposit amount of all the customers.

Display the records sorted in ascending order based on customer id.
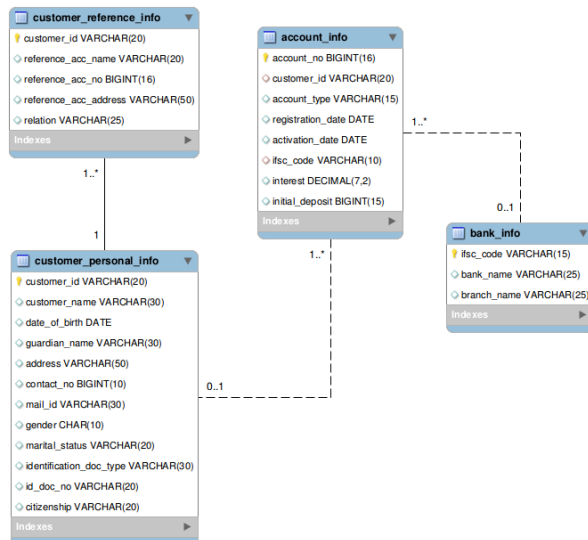
Q32 Customer details based on identification document

Please follow instructions given below.

Write a query which will display customer id, customer name, date of birth, guardian name, contact number, mail id and reference account holder's name of the customers who has submitted the passport as an identification document.

Display the records sorted in ascending order based on customer id.

Q33 Customer details who all having account in bank

Please follow instructions given below.

Write a query which will display the customer id, customer name, account no, account type and bank name where the customers hold the account.

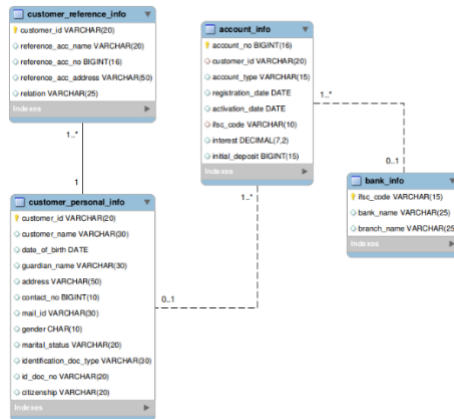Display the records sorted in ascending order based on customer id.
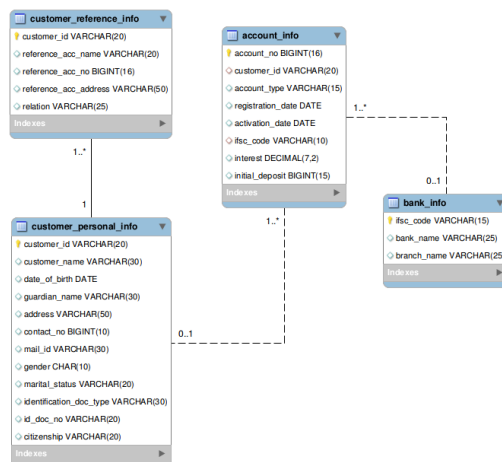

Q34 Customer details based on reference string

Please follow instructions given below.

Write a query which will display the customer id, customer name, gender, marital status along with the unique reference string and sort the records based on customer id in descending order.

Hint: Generate unique reference string as mentioned below: CustomerName_Gender_MaritalStatus Example, C-005 KUMAR M SINGLE KUMAR_M_SINGLE Use "UNIQUE_REF_STRING" as alias name for displaying the unique reference string.

Q35 Customer details based on deposit amount range

Please follow instructions given below.
Write a query which will display the account number, customer id, registration date, initial deposit amount of the customer whose initial deposit amount is within the range of Rs.15000 to Rs.25000.

Display the records sorted in ascending order based on account number.
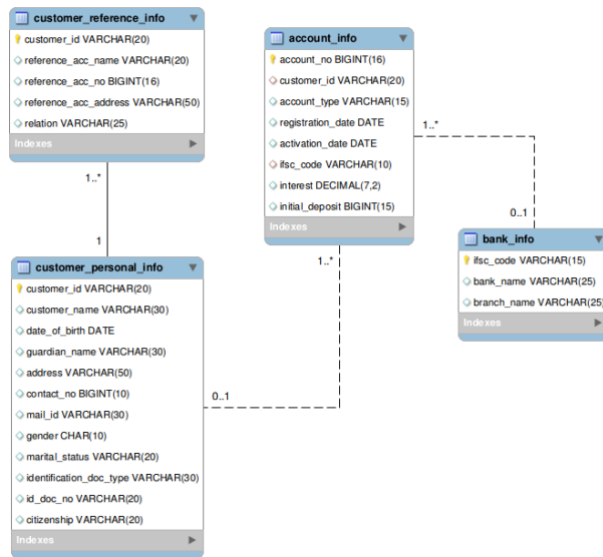
(Note: Data is case sensitive)
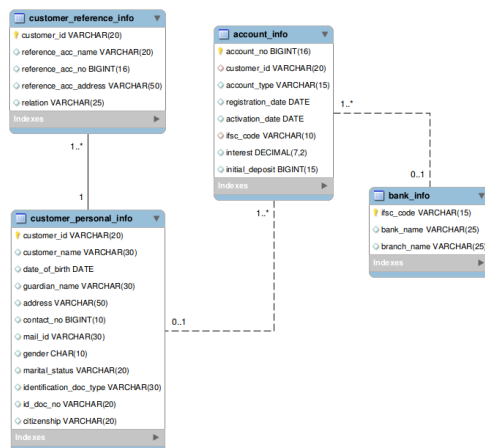
Q36 Customer account details based on account type

Please follow instructions given below.

Write a query which will display customer id, customer name, guardian name, identification doc type, reference account holders name, account type, ifsc code, bank name and current balance for the customers who has only the 'SAVINGS' account. Hint: Formula for calculating current balance is add the intital deposit amount and interest and display without any decimals. Use 'CURRENT_BALANCE' as alias name.
(Note: Data is case sensitive)
 Display the records sorted in ascending order based on customer id
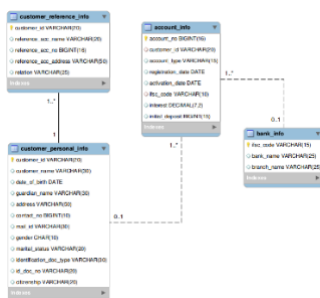
Q37 Customer account details based on activation date

Please follow instructions given below.

Write a query which will display account number, account type, customer id, customer name, date of birth, guardian name, contact no, mail id , gender, reference

account holders name, reference account holders account number, registration date, activation date, number of days between the registration date and activation date with alias name "NoofdaysforActivation", bank name, branch name and initial deposit for all the customers.

(Note: Data is case sensitive)
Display the records sorted in ascending order based on account number

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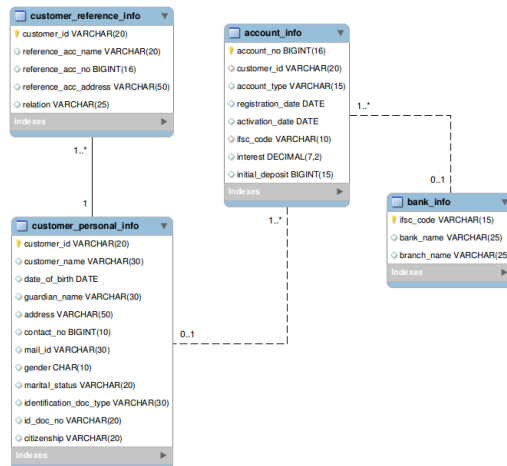
Q38 Customer details based on bank

Please follow instructions given below.
Write a query which will display the customer id, account type and the account number of HDFC customers who registered between 12-JAN-2012 and 04-APR-2012.

Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)
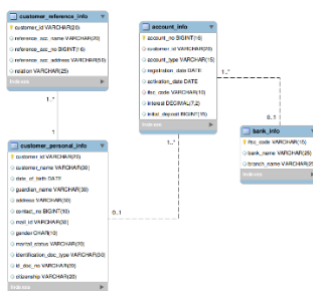
Q39 Customer details based on contact details

Please follow instructions given below.

Write a query which will display the customer id, customer name and contact number with ISD code of all customers in below mentioned format. Sort the result based on the customer id in descending order. Format for contact number is : "+91-3digits-3digits-4digits" Example: +91-924-234-2312 Use "CONTACT_ISD" as alias name.
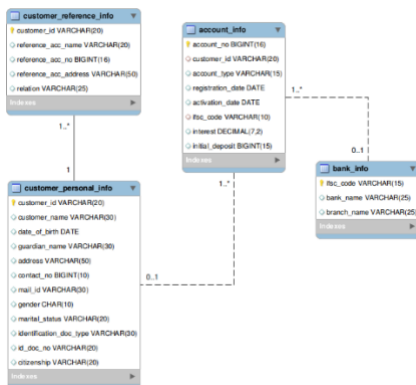
(Note: Data is case sensitive)

Q40 Customer details based on reference name

Please follow instructions given below.
Write a query to display the customer id, customer name, date of birth, guardian name, contact number, mail id, reference name who has been referenced by 'RAGHUL'.

Display the records sorted in ascending order based on customer id. (Note: Data is case sensitive)

Q41 Customer details based on city

Please follow instructions given below.
Write a query to display the customer id, customer name, account no, bank name, contact no and mail id of the customers who are from BANGALORE.

Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)
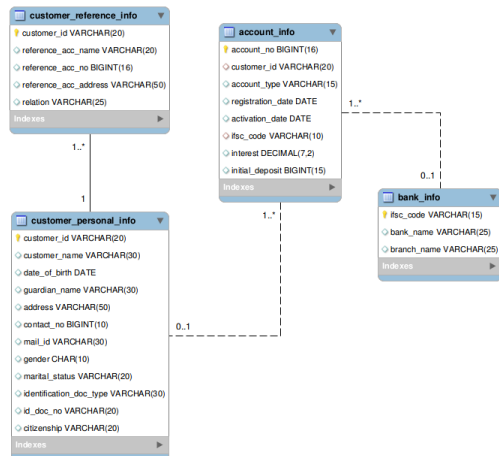
Q42 Customer details based on initial deposit

Please follow instructions given below.

Write a query which will display the customer id, customer name, account number, account type, interest, initial deposit; check the initial deposit, if initial deposit is 20000 then display 'high', if initial deposit is 16000 display 'moderate', if initial deposit is 10000 display 'average', if initial deposit is 5000 display 'low', if initial deposit is 0 display 'very low' otherwise display 'invalid' and sort by interest in descending order and then by customer id in descending order.

Hint: Name the column as "Deposit_Status" (alias). Strictly follow the lower case for strings in this query. (Note: Data is case sensitive)

Q43 Customer details who getting maximum interest rate

Please follow instructions given below.

 Write a query to display the customer id, customer name, account number, account type, interest, bank name and initial deposit amount of the customers who are getting maximum interest rate. In case of multiple records, display the records sorted in ascending order based on customer id.
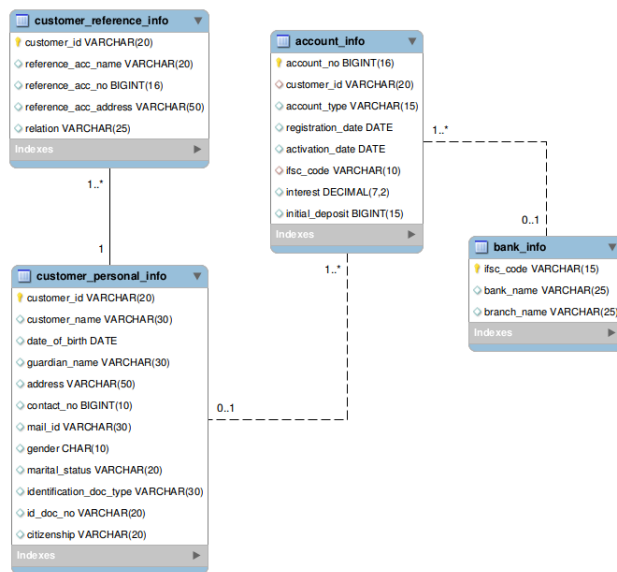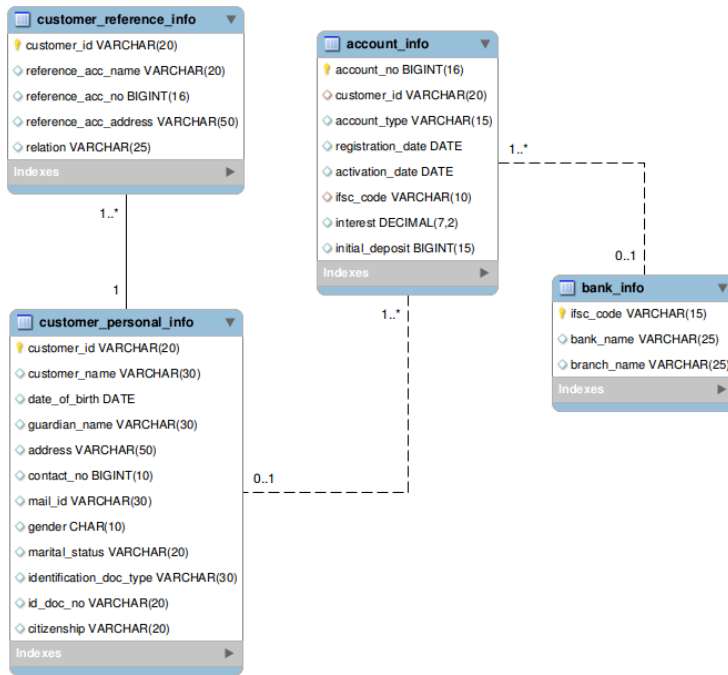
(Note: Data is case sensitive)

Q44 Customer account details based on deposited amount

Please follow instructions given below.

Write a query to display the customer id, customer name, account number, account type, initial deposit, interest who have deposited maximum amount in the bank. In case of multiple records,display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)

Q45 **Customer details based on activation date**

Please follow instructions given below.

Write a query which will display customer id, bank name, branch name, ifsc code, registration date, activation date of the customers whose activation date is in the month of march (March 1'st to March 31'st).

 Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)

Q46 Customer bank details based on interest amount

Please follow instructions given below.

Write a query which will calculate the interest amount and display the customer id, customer name, account number, account type, initial deposit amount, interest and interest amount.

Hint :Formula for interest amount, calculate: ((interest/100) * initial deposit amt) with column name 'interest_amt' (alias). Display the records sorted in ascending order based on customer id.

(Note: Data is case sensitive)
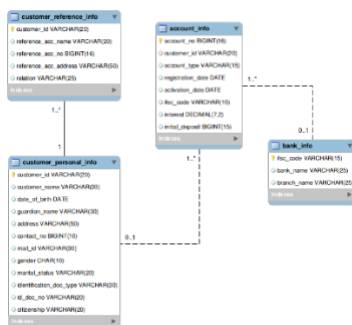
Q47 Customer Purchase(---RETIRED---)

Write a query to display the customer id, customer name, and purchase id of all the pets purchased by the customers other than the pet ids 'P158' and 'P156'.

Sort the records based on the purchase id in ascending order.
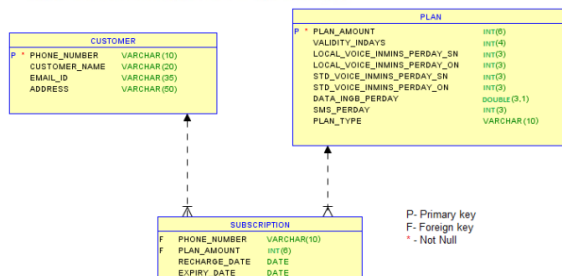
(Hint: Data is case-sensitive.)
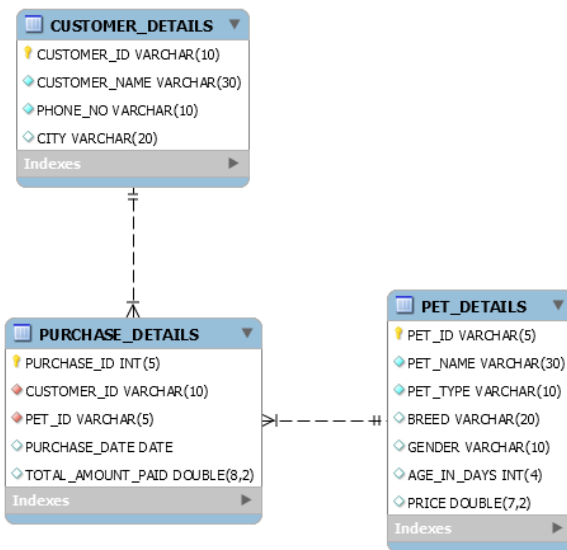
Q48 Plan Validity(---RETIRED---)

Write a query to display the phone number of all the subscribers whose plan validity is in the range of 25 to 50 (both 25 and 50 are inclusive).

Sort the records based on the phone number in ascending order.

Q49 Payment Information(---RETIRED---)

Write a query to display the payment information as given in the sample output, if and only if the customer failed to pay his premium on the payment date. Give an alias name as "DELAYED_PAYMENT".

Sort the records based on the DELAYED_PAYMENT in ascending order.
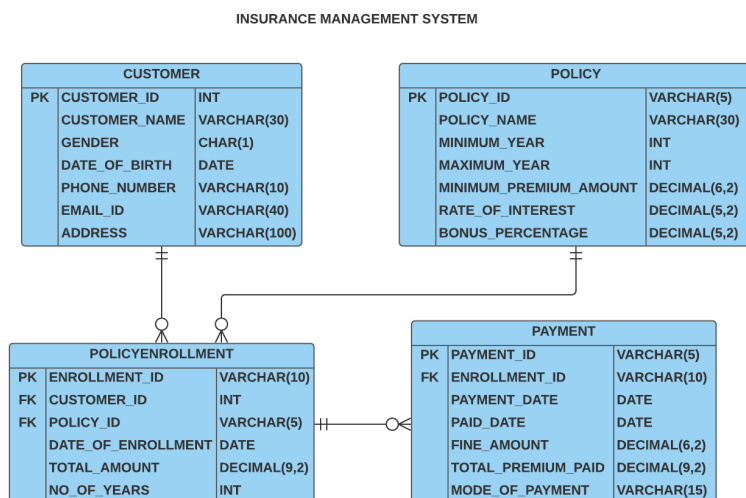
Sample Data:

DELAYED_PAYMENT

On **PAYMENT_DATE**, customer **CUSTOMER_ID** paid the insurance premium

Sample Output:

DELAYED_PAYMENT

On Friday, customer 1009 paid the insurance premium

(**Hint:** Data is case-sensitive.)

INSURANCE MANAGEMENT SYSTEM

CUSTOMER		
PK	CUSTOMER_ID	INT
	CUSTOMER_NAME	VARCHAR(30)
	GENDER	CHAR(1)
	DATE_OF_BIRTH	DATE
	PHONE_NUMBER	VARCHAR(10)
	EMAIL_ID	VARCHAR(40)
	ADDRESS	VARCHAR(100)

POLICY		
PK	POLICY_ID	VARCHAR(5)
	POLICY_NAME	VARCHAR(30)
	MINIMUM_YEAR	INT
	MAXIMUM_YEAR	INT
	MINIMUM_PREMIUM_AMOUNT	DECIMAL(6,2)
	RATE_OF_INTEREST	DECIMAL(5,2)
	BONUS_PERCENTAGE	DECIMAL(5,2)

POLICYENROLLMENT		
PK	ENROLLMENT_ID	VARCHAR(10)
FK	CUSTOMER_ID	INT
FK	POLICY_ID	VARCHAR(5)
	DATE_OF_ENROLLMENT	DATE
	TOTAL_AMOUNT	DECIMAL(9,2)
	NO_OF_YEARS	INT

| PAYMENT		
PK	PAYMENT_ID	VARCHAR(5)
FK	ENROLLMENT_ID	VARCHAR(10)
	PAYMENT_DATE	DATE
	PAID_DATE	DATE
	FINE_AMOUNT	DECIMAL(6,2)
	TOTAL_PREMIUM_PAID	DECIMAL(9,2)
	MODE_OF_PAYMENT	VARCHAR(15)

Q50 Recharged Day(---RETIRED---)

Write a query to display the unique name and address of all the customers, if and only if their phone number is recharged only on Sunday.

Sort the records based on the address in ascending order.
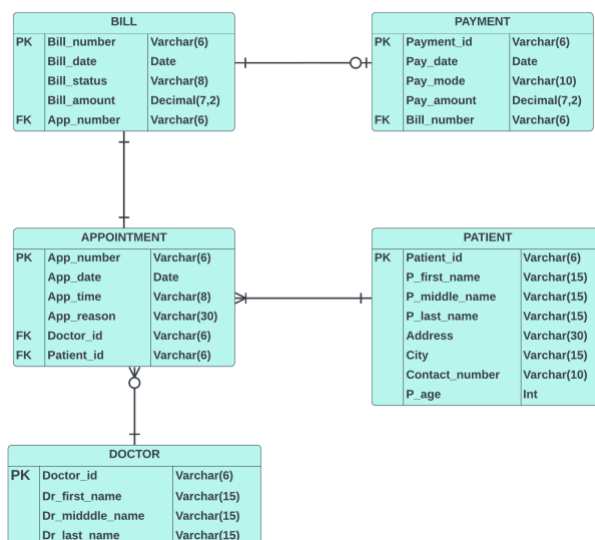
Mobile Prepaid System
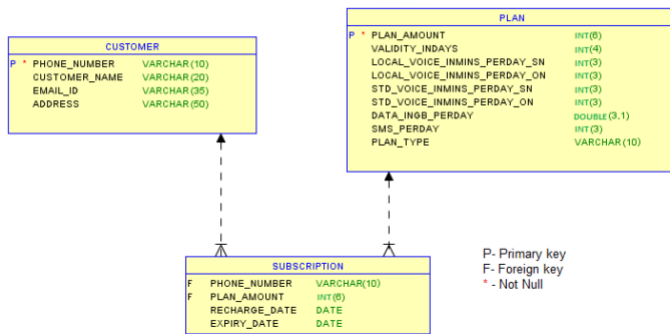
Q51 Appointments At Week Days

Write a query to display the unique first name of the patients who have appointments on weekdays.

Sort the results based on the first name of the patient in descending order.

(**Hint:** Data is case-sensitive. Weekdays are 'Monday' to 'Friday'. Weekends are 'Saturday' and 'Sunday')
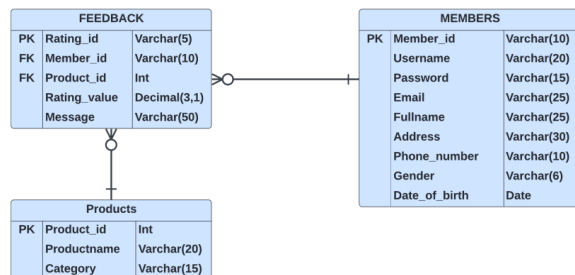
DOCTOR-PATIENT

Q52 Member Product Details Based On Address

Write a query to display the rating id, member id, product id and message of all the members who are from 'Chennai'.

Sort the records based on the rating id in descending order.

(**Hint:** Data is case sensitive)

Q53 Feedback Date

The shop owner has decided to get feedback after two days of delivery.

Write a query to display the customer name, order id and feedback date of all the customers who are from either 'Washington' or 'Paris'. Give an alias name as 'Feedback_Date' for the feedback date.

Sort the results based on the customer name in ascending order.

(Note: Data is case sensitive.)