Databases Individual Case Study Assignment

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Task Summary

In this assignment I worked on the tables USERUSAGE and STORES. This meant granting myself access to these tables when I started. I then began populating the tables with data. In part 3 I started creating update statements to update the data in the tables. For the next section I used select statements with conditions to complete the projection, selection and sorting element of the assignment. I then used select statement with order by to make use of non-aggregate functions for the following question. Then to test for nulls and not null in my code I used select statements with the where clause as well as null and not null to check the contents of the tables. Then I used select statements with group by and having clause to complete the aggregation section of the assignment. Finally I successfully implemented intersect, minus and union into my tables. I was unable to finish the rest of the questions in the assignment.

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ERD Diagram

DT2112B5.USERUSAGE

F	CONTRACT_NUMBER	NUMBER (10)
*	MYPHONE_MESSAGE	NUMBER (10)
*	OTHER_MESSAGE	NUMBER (10)
*	PRICE	NUMBER (10)
*	OVERSEAS_CALL	NUMBER (10)
*	LOCAL_CALL	NUMBER (10)
*	DURATION_OFCALL	NUMBER (10)

SYS_C001274546 (CONTRACT_NUMBER)

DT2112B5.CONTRACT

	* NEW_CONTRACT	NUMBER (10)
	* PHONE_PURCHASED	NUMBER (10)
	* EXISTING_COTRACT	NUMBER (2)
P	* CONTRACT_NUMBER	NUMBER (10)
	PHONE_NUMBER	NUMBER (10)

CONTRACT_PK (CONTRACT_NUMBER)

DT2112B5.BUSINESS_ACCOUNT

F	CONTRACT_NUMBER	NUMBER (38)
*	CUSTOMER_NAME	VARCHAR2 (38 BYTE)
*	CUSTOMER_ADDRESS	VARCHAR2 (38 BYTE)
*	CUSTOMER_EMAIL	VARCHAR2 (38 BYTE)
*	CUSTOMER_FINACIALDETAILS	VARCHAR2 (38 BYTE)
*	SIM_TYPE	VARCHAR2 (38 BYTE)

SYS_C001274443 (CONTRACT_NUMBER)

DT2112B5.PERSONAL_ACCOUNT

F	CONTRACT_NUMBER	NUMBER (38)
*	CUSTOMER_NAME	VARCHAR2 (38 BYTE)
*	CUSTOMER_ADDRESS	VARCHAR2 (38 BYTE)
*	CUSTOMER_EMAIL	VARCHAR2 (38 BYTE)
*	CUSTOMER_FINACIALDETAILS	VARCHAR2 (38 BYTE)
*	SIM_TYPE	VARCHAR2 (38 BYTE)

SYS_C001274449 (CONTRACT_NUMBER)

DT2112B5.MANUFACTURER

F	STORE_ID	NUMBER (10)
*	BRAND	VARCHAR2 (10 BYTE)
*	PHONE_NAME	VARCHAR2 (10 BYTE)
P	* SERIAL_NUMBER	NUMBER (10)

MANUFACTURER_PK (SERIAL_NUMBER)

SYS_C001274827 (STORE_ID)

DT2112B5.STORES

P	* STORE_ID	NUMBER (5)
	* STORE_NAME	VARCHAR2 (10 BYTE)
	* STORE_ADDRESS	VARCHAR2 (20 BYTE)
	* STORE_PHONE_NUMBER	NUMBER (10)

STORES_PK (STORE_ID)