**Problem Description**

Dallas Motors is a car dealership with 3 branches. Dallas Motors would like one relational database that can be accessed by all the three branches. The dealership has six main modules: Employees, Customer, Vehicles, Sales, Branch and Manufacturers. Employees are salespersons and managers. Salespersons are further classified as floor salesperson or internet salesperson.Employees are assigned to branches and each branch has one manager. The Employee ID, Name (First, Middle ,Last), Address, Date of birth, Phone number(can have more than one phone number), Date of joining, Supervisor and Salary of each employee is recorded. Each employee can work in only one branch. A salesperson attends to a general customer. The company has 3 branches each located at different locations. Each branch has a branch ID, Name, Address, Phone number. Each branch has a branch manager. Many employees can work in one branch. The details of the Customer such as Customer ID, Name (First, Middle, Last), Address, Date of Birth, Phone number(can have more than one phone number), Date of Visit (either online or in person) are recorded. A salesperson interacts with more than one customer. Customer choices and preferences (that are offered by the dealership) are also recorded which can be accessed by the salesperson. A buyer is a person who makes a final purchase. A buyer can be a general customer or a salesperson. Vehicles have a Vehicle ID, type (compact, convertible), Price, Date of Manufacture (of each part), availability of vehicle (can have value Yes, No or a Date). Each vehicle is composed of different parts. One part is manufactured by a specific manufacturer and has a price associated with it. But one manufacturer can manufacture more than one part. Each part is associated with a vehicle and has a part ID but the part ID is not unique. Each part also has a name. Sales records details about each purchase that is made with the customer ID and salesperson ID and record of the Payment method. Payment method can be either personal or through loans. The dealership offers car loans arrangements. Based on the customer’s credit history different types of loans are approved for different customers. Payment method can be either personal or through car loans or both. The dealership provides arrangements for insurance policy as well. Manufacturers have a manufacture ID and also records the type of vehicle part manufactured and also the date of manufacture. Also the name of the manufacturer and location is recorded.

**Project Questions**

1. Is the ability to model superclass/subclass relationships likely to be important in a dealership environment such as Dallas Motors? Why or why not?

**The ability to model a superclass and subclass relationship is important in the car dealership environment. This can be seen with the implementation of the Salesperson class which is subclass of employee and makes it easier to store this information without repetition of information. In the future if more subclasses for example car type are created then it will also be a useful construct to use.**

2. Can you think of 5 more business rules (other than the one explicitly described above) that are likely to be used in a car dealership environment? Add your rules to the above requirement to be implemented.

**1. Each customer is assigned a salesperson regardless of if they buy anything or not**

**2. Each manufacturer should track parts sold to particular dealerships**

**3. Each manufacturer should also track sales made for each customer**

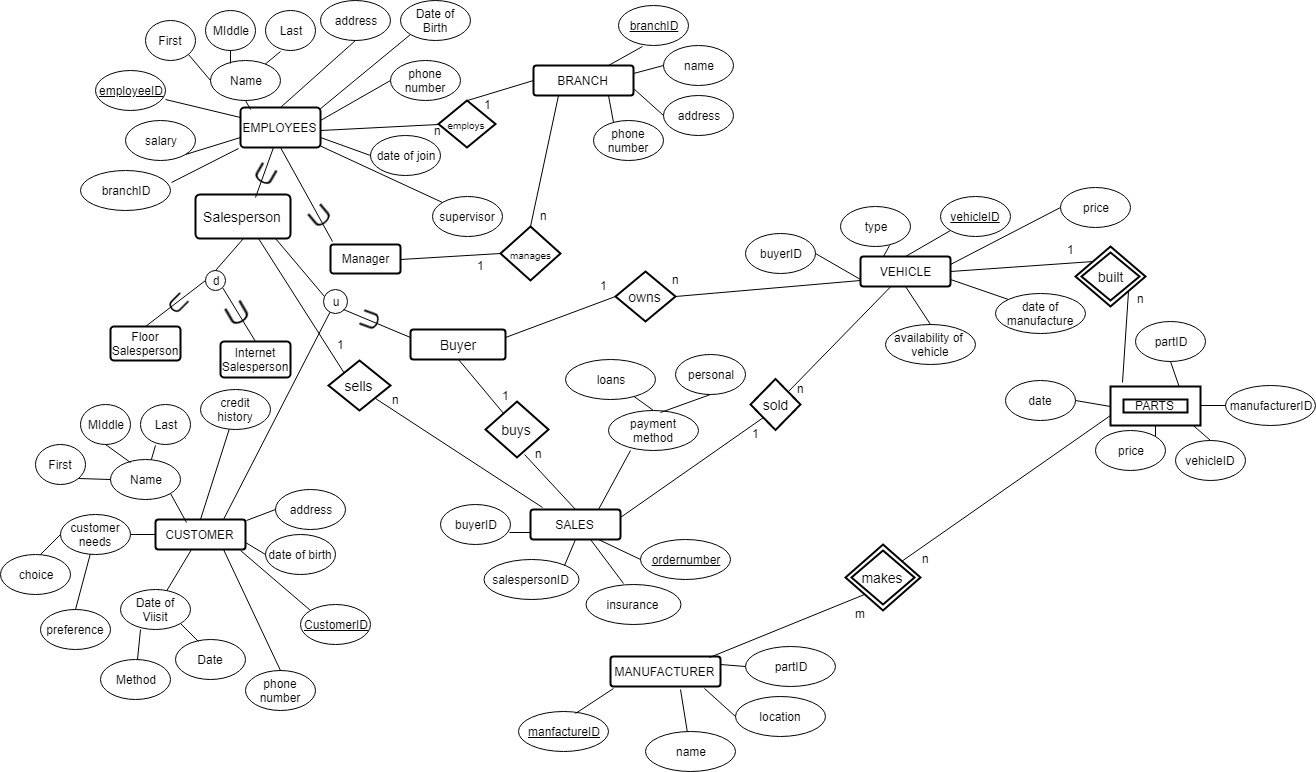
**4. all buyers should also also track a history of purchase**

**5. all employees should track sales made**

3. Justify using a Relational DBMS like Oracle for this project.

**A relational DBMS was good for this project as the data can be quickly accessed just based on row information given. Another advantage would be that multiple users could interact with the system and then privileges can be assigned to protect data. Also with sql support it makes it easier to program.**

EER DIAGRAM

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RELATIONAL SCHEMA

****

SQL STATEMENTS

-- DDL for Table BRANCH

--------------------------------------------------------

CREATE TABLE "AGB160630"."BRANCH"

( "BRANCHID" CHAR(11 BYTE),

"BRANCHNAME" VARCHAR2(25 BYTE),

"BRANCHADDRESS" VARCHAR2(50 BYTE),

"BRANCHNUMBER" CHAR(12 BYTE)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table BUYER

--------------------------------------------------------

CREATE TABLE "AGB160630"."BUYER"

( "BUYERID" CHAR(11 BYTE),

"VEHICLEID" CHAR(11 BYTE),

"ORDERNUM" CHAR(11 BYTE)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table CUSTOMER

--------------------------------------------------------

CREATE TABLE "AGB160630"."CUSTOMER"

( "CUSTOMERID" CHAR(11 BYTE),

"CUSTFIRST" VARCHAR2(25 BYTE),

"CUSTMID" VARCHAR2(25 BYTE),

"CUSTLAST" VARCHAR2(25 BYTE),

"CUSTBIRTH" DATE,

"CUSTADDRESS" VARCHAR2(50 BYTE),

"CUSTNUMBER" CHAR(12 BYTE),

"CUSTCREDIT" VARCHAR2(50 BYTE),

"CUSTCHOICE" VARCHAR2(50 BYTE),

"CUSTPREF" VARCHAR2(50 BYTE),

"BUYERID" CHAR(11 BYTE),

"CUSTVDATE" DATE,

"EMPLOYEEID" CHAR(11 BYTE)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table EMPLOYEE

--------------------------------------------------------

CREATE TABLE "AGB160630"."EMPLOYEE"

( "EMPLOYEEID" CHAR(11 BYTE),

"EMPFIRST" VARCHAR2(25 BYTE),

"EMPMID" VARCHAR2(25 BYTE),

"EMPLAST" VARCHAR2(25 BYTE),

"EMPBIRTH" DATE,

"EMPADDRESS" VARCHAR2(50 BYTE),

"EMPNUMBER" CHAR(12 BYTE),

"EMPJOIN" DATE,

"EMPSUPERV" CHAR(11 BYTE),

"EMPSALARY" NUMBER(\*,0),

"EMPTYPE" NUMBER(\*,0),

"BRANCHID" CHAR(11 BYTE),

"BUYERID" CHAR(11 BYTE)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table MANUFACTURER

--------------------------------------------------------

CREATE TABLE "AGB160630"."MANUFACTURER"

( "MANUFACTURERID" CHAR(11 BYTE),

"MANLOC" VARCHAR2(50 BYTE),

"MANNAME" VARCHAR2(25 BYTE),

"PARTTYPE" CHAR(11 BYTE)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table PARTS

--------------------------------------------------------

CREATE TABLE "AGB160630"."PARTS"

( "PARTID" CHAR(11 BYTE),

"VEHICLEID" CHAR(11 BYTE),

"MANUFACTURERID" CHAR(11 BYTE),

"MANUDATE" DATE,

"PARTPRICE" NUMBER(\*,0)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table PAYMENT

--------------------------------------------------------

CREATE TABLE "AGB160630"."PAYMENT"

( "ORDERNUM" CHAR(11 BYTE),

"LOANS" NUMBER(\*,0),

"PERSONAL" NUMBER(\*,0),

"BANK" VARCHAR2(20 BYTE)

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table SALES

--------------------------------------------------------

CREATE TABLE "AGB160630"."SALES"

( "ORDERNUM" CHAR(11 BYTE),

"EMPLOYEEID" CHAR(11 BYTE),

"VEHICLEID" CHAR(11 BYTE),

"INSURANCE" VARCHAR2(25 BYTE),

"BUYERID" CHAR(11 BYTE),

"SALEDATE" DATE

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for Table VEHICLE

--------------------------------------------------------

CREATE TABLE "AGB160630"."VEHICLE"

( "VEHICLEID" CHAR(11 BYTE),

"CARTYPE" VARCHAR2(25 BYTE),

"CARPRICE" NUMBER(\*,0),

"CARAVAILABLE" DATE,

"CARMANFACT" DATE

) SEGMENT CREATION IMMEDIATE

PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255

NOCOMPRESS LOGGING

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ;

--------------------------------------------------------

-- DDL for View COSTPRICE

--------------------------------------------------------

CREATE OR REPLACE FORCE EDITIONABLE VIEW "AGB160630"."COSTPRICE" ("CARTYPE", "CARPRICE") AS

SELECT DISTINCT CARTYPE, CARPRICE

FROM VEHICLE

;

--------------------------------------------------------

-- DDL for View POTENTIALBUYER

--------------------------------------------------------

CREATE OR REPLACE FORCE EDITIONABLE VIEW "AGB160630"."POTENTIALBUYER" ("CUSTOMERID", "CUSTFIRST", "CUSTLAST", "CUSTNUMBER") AS

Select CUSTOMERID, CUSTFIRST,CUSTLAST,CUSTNUMBER

FROM CUSTOMER

where BUYERID is NULL

;

--------------------------------------------------------

-- DDL for View PRODUCTPROFIT

--------------------------------------------------------

CREATE OR REPLACE FORCE EDITIONABLE VIEW "AGB160630"."PRODUCTPROFIT" ("VEHICLEID", "PROFIT") AS

Select VEHICLEID, (Select CARPRICE from VEHICLE where VEHICLEID = PARTS.VEHICLEID)-Sum(PARTPRICE) As Profit

FROM PARTS

group by VEHICLEID

;

--------------------------------------------------------

-- DDL for View TOPMANUFACTURER

--------------------------------------------------------

CREATE OR REPLACE FORCE EDITIONABLE VIEW "AGB160630"."TOPMANUFACTURER" ("MANUFACTURERID", "MANNAME", "NUMPRODUCED") AS

Select MANUFACTURERID,MANNAME, (Select Count(DISTINCT MANUFACTURERID)From PARTS) As NumProduced

FROM MANUFACTURER

where MANUFACTURERID in (Select \*

From

(

Select MANUFACTURERID from PARTS

where VEHICLEID in (Select VEHICLEID from SALES)

group by MANUFACTURERID

ORDER BY count(MANUFACTURERID) DESC

)

where ROWNUM <=5)

ORDER BY NumProduced DESC

;

--------------------------------------------------------

-- DDL for View TOPSALESMEN

--------------------------------------------------------

CREATE OR REPLACE FORCE EDITIONABLE VIEW "AGB160630"."TOPSALESMEN" ("EMPFIRST", "EMPLAST", "EMPJOIN") AS

SELECT EMPFIRST, EMPLAST,EMPJOIN

FROM EMPLOYEE

WHERE EMPLOYEEID in (

Select EMPLOYEEID

From SALES

group by EMPLOYEEID

having COUNT(\*) >= 3

)

;

REM INSERTING into AGB160630.BRANCH

SET DEFINE OFF;

Insert into AGB160630.BRANCH (BRANCHID,BRANCHNAME,BRANCHADDRESS,BRANCHNUMBER) values ('B29380 ','Dallas Motors Richardson','3348 Lakeview Drive','9723334829 ');

Insert into AGB160630.BRANCH (BRANCHID,BRANCHNAME,BRANCHADDRESS,BRANCHNUMBER) values ('B34210 ','Dalllas Motors Frisco','4539 Fresno Trail','9722343966 ');

Insert into AGB160630.BRANCH (BRANCHID,BRANCHNAME,BRANCHADDRESS,BRANCHNUMBER) values ('B55993 ','Dallas Motors Plano','5555 Dartview Street','9729987743 ');

REM INSERTING into AGB160630.BUYER

SET DEFINE OFF;

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B38874 ','V23981 ','O38874 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B23776 ','V33773 ','O23776 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B18738 ','V49203 ','O18738 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B39286 ','V30857 ','O39286 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B98243 ','V20938 ','O98243 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B00873 ','V99990 ','O00873 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B89332 ','V58399 ','O89332 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B33876 ','V02203 ','O33876 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B90875 ','V69304 ','O90875 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B89637 ','V50229 ','O89637 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B33884 ','V84831 ','O33884 ');

Insert into AGB160630.BUYER (BUYERID,VEHICLEID,ORDERNUM) values ('B08742 ','V00902 ','O08742 ');

REM INSERTING into AGB160630.CUSTOMER

SET DEFINE OFF;

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C18738 ','Julia',null,'Wells',to\_date('16-JAN-88','DD-MON-RR'),'3982 Wellington Drive','9728522584 ',null,null,'leather','B18738 ',to\_date('07-APR-16','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C39286 ','Tom',null,'Jordan',to\_date('22-FEB-94','DD-MON-RR'),'2200 Westwood Drive','2415986341 ',null,null,'leather','B39286 ',to\_date('11-APR-18','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C98243 ','Melody',null,'Tims',to\_date('27-NOV-75','DD-MON-RR'),' 4933 Devil Drive','26851934448 ',null,null,'leather','B98243 ',to\_date('14-FEB-18','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C00873 ','Lee',null,'Harper',to\_date('16-MAY-87','DD-MON-RR'),'4990 Bro Drive','26884255555 ',null,null,'leather','B00873 ',to\_date('15-MAR-18','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C89332 ','Tommy',null,'Wiseau',to\_date('08-OCT-85','DD-MON-RR'),'2030 Belt Drive','1599518855 ',null,null,'leather','B89332 ',to\_date('21-APR-18','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C33876 ','Mark',null,'Micheals',to\_date('11-JUL-84','DD-MON-RR'),'3029 Plot Drive','3346685577 ',null,null,'fabric','B33876 ',to\_date('20-JUL-17','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C90875 ','Lisa',null,'Ho',to\_date('04-SEP-91','DD-MON-RR'),'3029 Mental Drive','1115559999 ',null,null,'fabric','B90875 ',to\_date('13-APR-17','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C89637 ','Ben',null,'Terry',to\_date('09-MAY-88','DD-MON-RR'),'2093 Age Drive','4445568887 ',null,null,'tint','B89637 ',to\_date('06-JUN-18','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C33884 ','Mike',null,'Lee',to\_date('19-SEP-91','DD-MON-RR'),'2003 Apple Drive','3335648821 ',null,null,'tint','B33884 ',to\_date('14-JAN-16','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C08742 ','Henry',null,'Little',to\_date('24-FEB-88','DD-MON-RR'),'2990 Pine Drive','6548521199 ',null,null,'leather','B08742 ',to\_date('17-APR-08','DD-MON-RR'),null);

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C47390 ','Ben',null,'Franklin',to\_date('05-APR-89','DD-MON-RR'),'3029 Bay Drive','6648825115 ',null,null,null,null,to\_date('20-FEB-15','DD-MON-RR'),'E11334 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C59728 ','Eric',null,'Franks',to\_date('17-JUN-18','DD-MON-RR'),'2077 Alpha Drive','3648555666 ',null,null,null,null,to\_date('12-MAR-15','DD-MON-RR'),'E11334 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C49302 ','Timmy',null,'Doll',to\_date('18-MAY-89','DD-MON-RR'),'4493 Llamma Drive','3166138877 ',null,null,null,null,to\_date('13-OCT-15','DD-MON-RR'),'E35632 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C58206 ','Mark',null,'Maker',to\_date('12-JUL-90','DD-MON-RR'),'3099 Cow Drive','2649993151 ',null,null,null,null,to\_date('19-NOV-15','DD-MON-RR'),'E11468 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C40292 ','Regi',null,'Bush',to\_date('22-AUG-18','DD-MON-RR'),'4444 PLane Drive','6968285005 ',null,null,null,null,to\_date('24-APR-13','DD-MON-RR'),'E11334 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C88339 ','Jimmy',null,'Li',to\_date('15-SEP-18','DD-MON-RR'),'3029 Bird Drive','6844449511 ',null,null,null,null,to\_date('21-NOV-13','DD-MON-RR'),'E11468 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C60306 ','Alex',null,'Turner',to\_date('20-OCT-18','DD-MON-RR'),'2000 Over Drice','3885569557 ',null,null,null,null,to\_date('22-NOV-18','DD-MON-RR'),'E11468 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C00301 ','Jack',null,'Black',to\_date('24-JAN-92','DD-MON-RR'),'3928 Plains Drive','1161171188 ',null,null,null,null,to\_date('20-AUG-15','DD-MON-RR'),'E11334 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C82942 ','Nancy',null,'Short',to\_date('13-FEB-92','DD-MON-RR'),'9939 Rage Driv','1151191111 ',null,null,null,null,to\_date('08-AUG-13','DD-MON-RR'),'E35632 ');

Insert into AGB160630.CUSTOMER (CUSTOMERID,CUSTFIRST,CUSTMID,CUSTLAST,CUSTBIRTH,CUSTADDRESS,CUSTNUMBER,CUSTCREDIT,CUSTCHOICE,CUSTPREF,BUYERID,CUSTVDATE,EMPLOYEEID) values ('C22167 ','Dollie',null,'Parks',to\_date('25-MAR-92','DD-MON-RR'),'3330 Bull Drive','6684499955 ',null,null,null,null,to\_date('21-OCT-10','DD-MON-RR'),'E11468 ');

REM INSERTING into AGB160630.EMPLOYEE

SET DEFINE OFF;

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E11467 ','John','Quincy','Adams',to\_date('09-APR-75','DD-MON-RR'),'4398 Directline Drive','9725588462 ',to\_date('09-JUN-05','DD-MON-RR'),null,100000,1,'B29380 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E11334 ','Bill',null,'Banks',to\_date('12-MAY-88','DD-MON-RR'),'3325 Diamond Dust Trail','9721444786 ',to\_date('22-SEP-10','DD-MON-RR'),'E11467 ',50000,2,'B29380 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E11468 ','Tom',null,'Ford',to\_date('11-FEB-89','DD-MON-RR'),'4439 Derby Drive','9725586841 ',to\_date('10-NOV-11','DD-MON-RR'),'E11467 ',50500,2,'B29380 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E11332 ','Holly',null,'James',to\_date('01-APR-80','DD-MON-RR'),'6637 Ninesides Drive','9725586666 ',to\_date('10-MAR-08','DD-MON-RR'),'E11467 ',70000,3,'B29380 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E23488 ','Dwight',null,'Howard',to\_date('18-JUN-75','DD-MON-RR'),'4298 Imperial Drive','8845661234 ',to\_date('14-JAN-98','DD-MON-RR'),null,90000,1,'B34210 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E23111 ','Nelly',null,'Sabor',to\_date('16-FEB-88','DD-MON-RR'),'2345 Facade Drive','9725978246 ',to\_date('09-OCT-02','DD-MON-RR'),'E23488 ',50000,3,'B34210 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E23776 ','Megan',null,'Fox',to\_date('04-MAY-87','DD-MON-RR'),'7739 Happy Tail','9724458899 ',to\_date('31-MAR-04','DD-MON-RR'),'E23488 ',60000,2,'B34210 ','B23776 ');

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E23889 ','Fred',null,'Flint',to\_date('20-JAN-92','DD-MON-RR'),'3548 Cast Drive','9728586969 ',to\_date('28-FEB-06','DD-MON-RR'),'E23488 ',65000,3,'B34210 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E32467 ','Percy','Lenard','Paul',to\_date('17-JUL-90','DD-MON-RR'),'6428 Dully Bay','9721141519 ',to\_date('23-AUG-10','DD-MON-RR'),null,85000,1,'B55993 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E38874 ','Lena',null,'Mendez',to\_date('16-JUL-92','DD-MON-RR'),'3345 Houdini Court','9723579511 ',to\_date('15-MAR-11','DD-MON-RR'),'E32467 ',55000,2,'B55993 ','B38874 ');

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E35632 ','Logan',null,'Kjallberg',to\_date('14-SEP-94','DD-MON-RR'),'4789 Madera Drive','9726668851 ',to\_date('14-FEB-11','DD-MON-RR'),'E32467 ',60000,2,'B55993 ',null);

Insert into AGB160630.EMPLOYEE (EMPLOYEEID,EMPFIRST,EMPMID,EMPLAST,EMPBIRTH,EMPADDRESS,EMPNUMBER,EMPJOIN,EMPSUPERV,EMPSALARY,EMPTYPE,BRANCHID,BUYERID) values ('E34668 ','Whitney',null,'Austin',to\_date('13-AUG-93','DD-MON-RR'),'3366 PlowHill Drive','9722526377 ',to\_date('21-APR-17','DD-MON-RR'),'E32467 ',65000,2,'B55993 ',null);

REM INSERTING into AGB160630.MANUFACTURER

SET DEFINE OFF;

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M23415 ','Dallas','HiFrame','Frames ');

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M34982 ','Dallas','FramesDirect','Frames ');

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M55882 ','Frisco','StyleWheels','Wheels ');

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M29886 ','Mckinney','Turbo','Engine ');

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M88663 ','Dallas','Fueled','Engine ');

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M86960 ','Richardson','Powered','Electronics');

Insert into AGB160630.MANUFACTURER (MANUFACTURERID,MANLOC,MANNAME,PARTTYPE) values ('M64392 ','Plano','TechForward','Electronics');

REM INSERTING into AGB160630.PARTS

SET DEFINE OFF;

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V23981 ','M23415 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V23981 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V23981 ','M88663 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V23981 ','M64392 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V33773 ','M23415 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V33773 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V33773 ','M88663 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V33773 ','M64392 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22456 ','V49203 ','M34982 ',to\_date('15-APR-16','DD-MON-RR'),2000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V49203 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P40392 ','V49203 ','M29886 ',to\_date('05-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V49203 ','M86960 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V30857 ','M34982 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V30857 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V30857 ','M29886 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V30857 ','M86960 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V20938 ','M34982 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V20938 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V20938 ','M29886 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V20938 ','M86960 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V99990 ','M34982 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V99990 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V99990 ','M29886 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V99990 ','M86960 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V58399 ','M23415 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V58399 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V58399 ','M88663 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V58399 ','M64392 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V02203 ','M86960 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V02203 ','M29886 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V02203 ','M55882 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V02203 ','M34982 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V69304 ','M23415 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V69304 ','M55882 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V69304 ','M64392 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V69304 ','M88663 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V50229 ','M34982 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V50229 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V50229 ','M29886 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V50229 ','M86960 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V84831 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V84831 ','M86960 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V84831 ','M29886 ',to\_date('15-APR-16','DD-MON-RR'),5000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V84831 ','M34982 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P22557 ','V00902 ','M34982 ',to\_date('25-OCT-16','DD-MON-RR'),4000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P33892 ','V00902 ','M55882 ',to\_date('01-NOV-16','DD-MON-RR'),3000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P46298 ','V00902 ','M29886 ',to\_date('17-MAR-16','DD-MON-RR'),10000);

Insert into AGB160630.PARTS (PARTID,VEHICLEID,MANUFACTURERID,MANUDATE,PARTPRICE) values ('P66045 ','V00902 ','M86960 ',to\_date('15-APR-16','DD-MON-RR'),5000);

REM INSERTING into AGB160630.PAYMENT

SET DEFINE OFF;

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O38874 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O23776 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O18738 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O39286 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O98243 ',20000,null,'Security');

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O00873 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O89332 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O33876 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O90875 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O89637 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O33884 ',null,null,null);

Insert into AGB160630.PAYMENT (ORDERNUM,LOANS,PERSONAL,BANK) values ('O08742 ',null,null,null);

REM INSERTING into AGB160630.SALES

SET DEFINE OFF;

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O38874 ','E23889 ','V23981 ',null,'B38874 ',to\_date('15-MAR-18','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O23776 ','E23111 ','V33773 ',null,'B23776 ',to\_date('14-MAR-18','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O18738 ','E23889 ','V49203 ',null,'B18738 ',to\_date('05-MAR-18','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O39286 ','E23889 ','V30857 ',null,'B39286 ',to\_date('12-APR-18','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O98243 ','E35632 ','V20938 ',null,'B98243 ',to\_date('14-JUN-18','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O00873 ','E35632 ','V99990 ',null,'B00873 ',to\_date('12-OCT-17','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O89332 ','E23776 ','V58399 ',null,'B89332 ',to\_date('22-NOV-17','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O33876 ','E23776 ','V02203 ',null,'B33876 ',to\_date('25-NOV-17','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O90875 ','E23776 ','V69304 ',null,'B90875 ',to\_date('14-SEP-17','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O89637 ','E11468 ','V50229 ',null,'B89637 ',to\_date('22-DEC-16','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O33884 ','E11332 ','V84831 ',null,'B33884 ',to\_date('27-OCT-16','DD-MON-RR'));

Insert into AGB160630.SALES (ORDERNUM,EMPLOYEEID,VEHICLEID,INSURANCE,BUYERID,SALEDATE) values ('O08742 ','E34668 ','V00902 ',null,'B08742 ',to\_date('30-SEP-16','DD-MON-RR'));

REM INSERTING into AGB160630.VEHICLE

SET DEFINE OFF;

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V23981 ','compact',40000,to\_date('11-MAY-17','DD-MON-RR'),to\_date('19-JAN-17','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V33773 ','convertible',60000,to\_date('24-APR-18','DD-MON-RR'),to\_date('08-MAR-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V49203 ','convertible',60000,to\_date('10-MAY-18','DD-MON-RR'),to\_date('08-MAR-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V30857 ','compact',40000,to\_date('17-JAN-18','DD-MON-RR'),to\_date('02-JAN-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V20938 ','convertible',60000,to\_date('07-FEB-18','DD-MON-RR'),to\_date('18-JAN-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V99990 ','compact',40000,to\_date('07-FEB-18','DD-MON-RR'),to\_date('18-JAN-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V58399 ','convertible',60000,to\_date('15-MAR-18','DD-MON-RR'),to\_date('03-MAR-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V02203 ','convertible',60000,to\_date('15-NOV-17','DD-MON-RR'),to\_date('14-APR-17','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V69304 ','compact',40000,to\_date('11-DEC-18','DD-MON-RR'),to\_date('21-APR-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V50229 ','convertible',60000,to\_date('22-FEB-18','DD-MON-RR'),to\_date('21-APR-18','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V84831 ','compact',40000,to\_date('09-JAN-18','DD-MON-RR'),to\_date('15-APR-17','DD-MON-RR'));

Insert into AGB160630.VEHICLE (VEHICLEID,CARTYPE,CARPRICE,CARAVAILABLE,CARMANFACT) values ('V00902 ','compact',40000,to\_date('15-MAY-18','DD-MON-RR'),to\_date('09-FEB-18','DD-MON-RR'));

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-- Constraints for Table SALES

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ALTER TABLE "AGB160630"."SALES" ADD PRIMARY KEY ("ORDERNUM")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table MANUFACTURER

--------------------------------------------------------

ALTER TABLE "AGB160630"."MANUFACTURER" MODIFY ("MANUFACTURERID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."MANUFACTURER" ADD PRIMARY KEY ("MANUFACTURERID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table BRANCH

--------------------------------------------------------

ALTER TABLE "AGB160630"."BRANCH" MODIFY ("BRANCHID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."BRANCH" ADD PRIMARY KEY ("BRANCHID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table PAYMENT

--------------------------------------------------------

ALTER TABLE "AGB160630"."PAYMENT" ADD PRIMARY KEY ("ORDERNUM")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table VEHICLE

--------------------------------------------------------

ALTER TABLE "AGB160630"."VEHICLE" MODIFY ("VEHICLEID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."VEHICLE" ADD PRIMARY KEY ("VEHICLEID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table CUSTOMER

--------------------------------------------------------

ALTER TABLE "AGB160630"."CUSTOMER" ADD PRIMARY KEY ("CUSTOMERID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table EMPLOYEE

--------------------------------------------------------

ALTER TABLE "AGB160630"."EMPLOYEE" MODIFY ("EMPLOYEEID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."EMPLOYEE" ADD PRIMARY KEY ("EMPLOYEEID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table PARTS

--------------------------------------------------------

ALTER TABLE "AGB160630"."PARTS" MODIFY ("PARTID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."PARTS" MODIFY ("VEHICLEID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."PARTS" MODIFY ("MANUFACTURERID" NOT NULL ENABLE);

ALTER TABLE "AGB160630"."PARTS" ADD PRIMARY KEY ("VEHICLEID", "MANUFACTURERID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Constraints for Table BUYER

--------------------------------------------------------

ALTER TABLE "AGB160630"."BUYER" ADD PRIMARY KEY ("BUYERID")

USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS

STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645

PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1

BUFFER\_POOL DEFAULT FLASH\_CACHE DEFAULT CELL\_FLASH\_CACHE DEFAULT)

TABLESPACE "USERS" ENABLE;

--------------------------------------------------------

-- Ref Constraints for Table BUYER

--------------------------------------------------------

ALTER TABLE "AGB160630"."BUYER" ADD FOREIGN KEY ("VEHICLEID")

REFERENCES "AGB160630"."VEHICLE" ("VEHICLEID") ENABLE;

ALTER TABLE "AGB160630"."BUYER" ADD FOREIGN KEY ("ORDERNUM")

REFERENCES "AGB160630"."SALES" ("ORDERNUM") ENABLE;

--------------------------------------------------------

-- Ref Constraints for Table CUSTOMER

--------------------------------------------------------

ALTER TABLE "AGB160630"."CUSTOMER" ADD FOREIGN KEY ("BUYERID")

REFERENCES "AGB160630"."BUYER" ("BUYERID") ENABLE;

ALTER TABLE "AGB160630"."CUSTOMER" ADD FOREIGN KEY ("EMPLOYEEID")

REFERENCES "AGB160630"."EMPLOYEE" ("EMPLOYEEID") ENABLE;

--------------------------------------------------------

-- Ref Constraints for Table EMPLOYEE

--------------------------------------------------------

ALTER TABLE "AGB160630"."EMPLOYEE" ADD FOREIGN KEY ("BRANCHID")

REFERENCES "AGB160630"."BRANCH" ("BRANCHID") ENABLE;

ALTER TABLE "AGB160630"."EMPLOYEE" ADD FOREIGN KEY ("BUYERID")

REFERENCES "AGB160630"."BUYER" ("BUYERID") ENABLE;

--------------------------------------------------------

-- Ref Constraints for Table PARTS

--------------------------------------------------------

ALTER TABLE "AGB160630"."PARTS" ADD FOREIGN KEY ("VEHICLEID")

REFERENCES "AGB160630"."VEHICLE" ("VEHICLEID") ENABLE;

ALTER TABLE "AGB160630"."PARTS" ADD FOREIGN KEY ("MANUFACTURERID")

REFERENCES "AGB160630"."MANUFACTURER" ("MANUFACTURERID") ENABLE;

--------------------------------------------------------

-- Ref Constraints for Table PAYMENT

--------------------------------------------------------

ALTER TABLE "AGB160630"."PAYMENT" ADD FOREIGN KEY ("ORDERNUM")

REFERENCES "AGB160630"."SALES" ("ORDERNUM") ENABLE;

--------------------------------------------------------

-- Ref Constraints for Table SALES

--------------------------------------------------------

ALTER TABLE "AGB160630"."SALES" ADD FOREIGN KEY ("VEHICLEID")

REFERENCES "AGB160630"."VEHICLE" ("VEHICLEID") ENABLE;

ALTER TABLE "AGB160630"."SALES" ADD FOREIGN KEY ("EMPLOYEEID")

REFERENCES "AGB160630"."EMPLOYEE" ("EMPLOYEEID") ENABLE;

ALTER TABLE "AGB160630"."SALES" ADD FOREIGN KEY ("BUYERID")

REFERENCES "AGB160630"."BUYER" ("BUYERID") ENABLE;

VIEWS AND QUERYS

CREATE VIEW TopSalesmen1 AS

SELECT EMPFIRST, EMPLAST,EMPJOIN

FROM HR.EMPLOYEE

WHERE EMPLOYEEID in (

Select EMPLOYEEID

From HR.SALES

group by EMPLOYEEID

having COUNT(\*) >= 3

);

CREATE VIEW CostPrice AS

SELECT DISTINCT CARTYPE, CARPRICE

FROM HR.VEHICLE;

Select \* From CostPrice;

Create View ProductProfit As

Select VEHICLEID, (Select CARPRICE from HR.VEHICLE where VEHICLEID = HR.PARTS.VEHICLEID)-Sum(PARTPRICE) As Profit

FROM HR.PARTS

group by VEHICLEID;

Select \* From ProductProfit;

Create View PotentialBuyer As

Select CUSTOMERID, CUSTFIRST,CUSTLAST,CUSTNUMBER

FROM HR.CUSTOMER

where BUYERID is NULL;

Select \* From PotentialBuyer;

Create View TopManufacturer8 As

Select MANUFACTURERID,MANNAME, (Select Count(DISTINCT MANUFACTURERID) from HR.PARTS where VEHICLEID in (Select VEHICLEID from HR.SALES)) As NumProduced

FROM HR.MANUFACTURER

where MANUFACTURERID in (Select \*

From

(

Select MANUFACTURERID from HR.PARTS

where VEHICLEID in (Select VEHICLEID from HR.SALES)

group by MANUFACTURERID

ORDER BY count(MANUFACTURERID) DESC

)

where ROWNUM <=5)

ORDER BY NumProduced DESC;

Select \* From TopManufacturer8;

/\*

1.

\*/

Select \* from EMPLOYEE

where EMPTYPE = 2;

Select \* from EMPLOYEE

where EMPTYPE = 3;

/\*

2

\*/

Select EMPFIRST,EMPLAST from EMPLOYEE where BUYERID is not NULL AND

BRANCHID not in (

Select BranchID from EMPLOYEE where

EMPLOYEEID in

(Select EMPLOYEEID from SALES where BUYERID in

(

select BUYERID from EMPLOYEE where BUYERID is not NULL

)));

/\*

3

\*/

Select AVG(EMPSALARY)

from EMPLOYEE

where EMPLOYEEID in

(Select \*

from(

Select EMPLOYEEID

From SALES

group by EMPLOYEEID

Order by Count(EMPLOYEEID) DESC

)

where ROWNUM <=5);

/\*

4

\*/

Select MANNAME from MANUFACTURER

where MANUFACTURERID in

(

Select MANUFACTURERID from PARTS

where VEHICLEID in

(

Select VEHICLEID from VEHICLE

where CARTYPE in

(

Select \* from

(

Select CARTYPE

from VEHICLE

where VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

group by CARTYPE

Order by Count(CARTYPE) DESC

)

where ROWNUM <= 1

)

AND VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (

Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

)

);

Select MANNAME from MANUFACTURER

where MANUFACTURERID in

(

Select MANUFACTURERID from PARTS

where VEHICLEID in

(

Select VEHICLEID from VEHICLE

where CARTYPE in

(

Select \* from

(

Select CARTYPE

from VEHICLE

where VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

group by CARTYPE

Order by Count(CARTYPE) DESC

)

where ROWNUM <= 1

)

AND VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (

Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B55993'))

)

);

Select MANNAME from MANUFACTURER

where MANUFACTURERID in

(

Select MANUFACTURERID from PARTS

where VEHICLEID in

(

Select VEHICLEID from VEHICLE

where CARTYPE in

(

Select \* from

(

Select CARTYPE

from VEHICLE

where VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

group by CARTYPE

Order by Count(CARTYPE) DESC

)

where ROWNUM <= 1

)

AND VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (

Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B34210'))

)

);

/\*

5

\*/

Select \* from EMPLOYEE where (EMPLOYEEID not in (Select EMPLOYEEID from SALES)) AND EMPTYPE != 1

Union

Select \* from EMPLOYEE where (EMPLOYEEID in (Select EMPLOYEEID from SALES where ((Select MONTHS\_BETWEEN (SYSDATE, SALEDATE) "Months" from Dual) >=5))) AND EMPTYPE != 1;

/\*

6

\*/

Select Count(LOANS) from PAYMENT where ORDERNUM in (

select ORDERNUM from SALES where BUYERID in (

(Select BUYERID from CUSTOMER where BUYERID is not NULL

UNION

Select BUYERID from EMPLOYEE where BUYERID is not NULL)));

/\*

7

\*/

Select \*

from

(

Select CUSTPREF from CUSTOMER

group by CUSTPREF

Order by Count(CUSTPREF) DESC

)

where ROWNUM <=1;

/\*

8

\*/

CREATE TABLE TEMPO AS(

SELECT extract(year from SALEDATE) AS SaleYear,extract(month from SALEDATE) AS SaleMonth, CARPRICE, EMPLOYEEID

FROM SALES

INNER JOIN VEHICLE on SALES.VEHICLEID=VEHICLE.VEHICLEID

)

CREATE TABLE TEMPO2 AS(

SELECT SALEYEAR,SALEMONTH,SUM(CARPRICE)AS PRICE,BRANCHID

FROM EMPLOYEE

INNER JOIN TEMPO on TEMPO.EMPLOYEEID=EMPLOYEE.EMPLOYEEID

GROUP BY BRANCHID, SALEYEAR, SALEMONTH

)

CREATE TABLE TEMPO3 AS(

SELECT BRANCHID, MAX(PRICE) AS PRICE

FROM TEMPO2

GROUP BY BRANCHID

)

SELECT TEMPO3.BRANCHID,SALEYEAR, SALEMONTH

FROM TEMPO3

INNER JOIN TEMPO2 ON TEMPO3.PRICE=TEMPO2.price AND TEMPO3.BRANCHID=TEMPO2.BRANCHID

DROP TABLE TEMPO

DROP TABLE TEMPO2

DROP TABLE TEMPO3

/\*

9

\*/

Select MANNAME from MANUFACTURER

where MANUFACTURERID in

(

Select MANUFACTURERID from PARTS

where VEHICLEID in

(

Select VEHICLEID from VEHICLE

where CARTYPE in

(

Select \* from

(

Select CARTYPE

from VEHICLE

where VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

group by CARTYPE

Order by Count(CARTYPE) DESC

)

where ROWNUM <= 1

)

AND VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (

Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

)

);

Select MANNAME from MANUFACTURER

where MANUFACTURERID in

(

Select MANUFACTURERID from PARTS

where VEHICLEID in

(

Select VEHICLEID from VEHICLE

where CARTYPE in

(

Select \* from

(

Select CARTYPE

from VEHICLE

where VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

group by CARTYPE

Order by Count(CARTYPE) DESC

)

where ROWNUM <= 1

)

AND VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (

Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B55993'))

)

);

Select MANNAME from MANUFACTURER

where MANUFACTURERID in

(

Select MANUFACTURERID from PARTS

where VEHICLEID in

(

Select VEHICLEID from VEHICLE

where CARTYPE in

(

Select \* from

(

Select CARTYPE

from VEHICLE

where VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B29380'))

group by CARTYPE

Order by Count(CARTYPE) DESC

)

where ROWNUM <= 1

)

AND VEHICLEID in

(Select VEHICLEID from SALES where EMPLOYEEID in (

Select EMPLOYEEID from EMPLOYEE where BRANCHID = 'B34210'))

)

);

/\*

10

\*/

SELECT \*

FROM SALES

where SALEDATE > (SELECT MAX(EMPJOIN)

FROM EMPLOYEE)

/\*

11

\*/

Select \* From AGB160630.CUSTOMER where

((Select ABS(MONTHS\_BETWEEN (CUSTVDATE,

(Select SALEDATE from AGB160630.SALES where AGB160630.CUSTOMER.BUYERID = AGB160630.SALES.BUYERID))) from Dual)) <= 0.25;

/\*

12

\*/

CREATE TABLE TEMPO AS

(

SELECT \*

FROM SALES

WHERE (Select ABS(MONTHS\_BETWEEN(SYSDATE,SALEDATE)) From DUAL) <=2

)

CREATE TABLE TEMPO2 AS

(

Select EmployeeID,Profit

from ProductProfit

INNER JOIN tempo

ON ProductProfit.VEHICLEID = tempo.VEHICLEID

)

CREATE TABLE TEMPO3 AS(

Select BranchID,Profit

from EMPLOYEE

INNER JOIN TEMPO2

ON EMPLOYEE.EMPLOYEEID = TEMPO2.EMPLOYEEID

)

Select DISTINCT BRANCHID, SUM(Profit)

From Tempo3

group by BranchID

DROP TABLE TEMPO

DROP TABLE TEMPO2

DROP TABLE TEMPO3

/\*

\*/

/\*

13

\*/

Select UNIQUE EMPFIRST, EMPLAST

FROM CUSTOMER

INNER JOIN EMPLOYEE on EMPLOYEE.EMPLOYEEID=CUSTOMER.EMPLOYEEID

/\*

14

\*/

CREATE TABLE tempo AS(

SELECT EMPLOYEEID, COUNT(ORDERNUM)AS SALESMADE

FROM SALES

GROUP BY EMPLOYEEID

)

Select \* From

(

SELECT SALESMADE,EMPLOYEE.EMPLOYEEID

FROM EMPLOYEE

INNER JOIN tempo ON EMPLOYEE.employeeID=tempo.employeeID

WHERE BRANCHID='B29380'

ORDER BY SALESMADE DESC

)

Where ROWNUM <=5

Select \* From

(

SELECT SALESMADE,EMPLOYEE.EMPLOYEEID

FROM EMPLOYEE

INNER JOIN tempo ON EMPLOYEE.employeeID=tempo.employeeID

WHERE BRANCHID='B34210'

ORDER BY SALESMADE DESC

)

Where ROWNUM <=5

Select \* From

(

SELECT SALESMADE,EMPLOYEE.EMPLOYEEID

FROM EMPLOYEE

INNER JOIN tempo ON EMPLOYEE.employeeID=tempo.employeeID

WHERE BRANCHID='B55993'

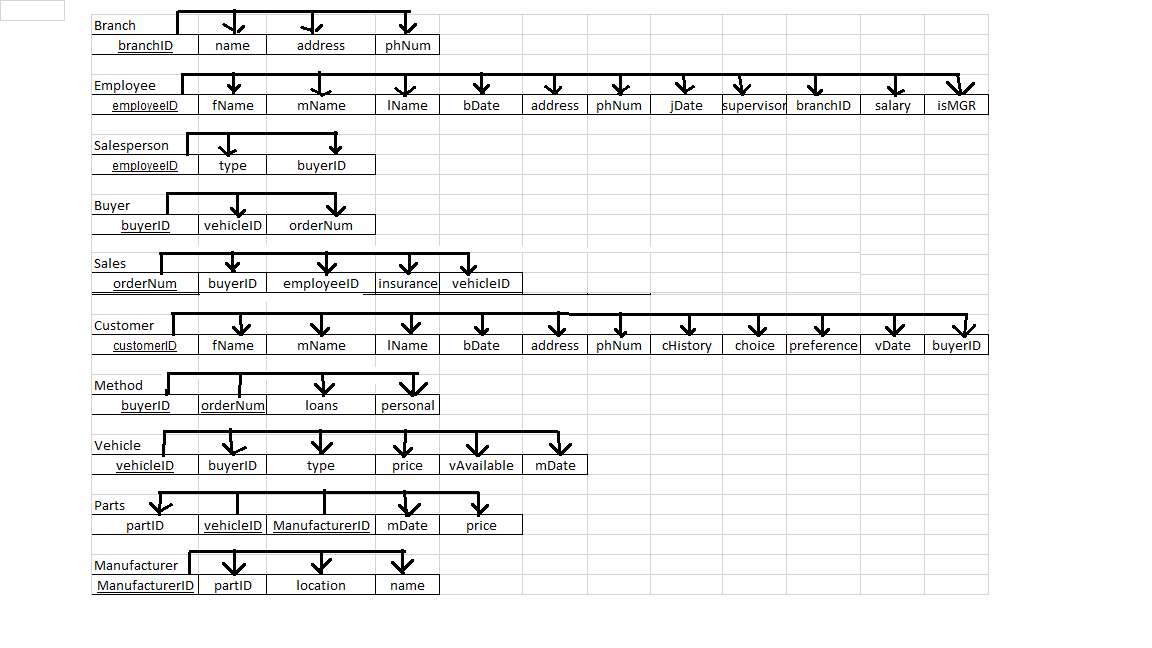
ORDER BY SALESMADE DESC

)

Where ROWNUM <=5

DROP TABLE TEMPO

DEPENDENCY DIAGRAM

****