* DECRIPTION OF PROJECT AND LIST OF ASSUMPTIONS

THIS IS A DBMS DESIGN FOR PEER TO PEER CAR RENTAL COMPANY.AN INDIVIDUAL CLIENT LIST THEIR CAR FOR A PERIOD OF TIME.CUSTOMER CHECKS THE LIST OF CARS NEAR BY LOCATION AND SENDS REQUEST CAR OWNER.THE CAR OWNER MAY ACCEPT OR DECLINES THE REQUEST .IF CAR OWNER ACCEPTS REQUEST THEN HE APPROVES TO GIVE A CAR TO CUSTOMER ON RENT BASIS WHICH IS DEPENDING UPON MILES AND NUMBER OF DAYS.

ASSUMPTIONS:

1.A PERSON MAY HAVE MORE THAN ONE CREDIT CARD BUT WE TAKE ONE CREDIT CARD DETAILS.

2.EMPLOYEE CHECK CLIENT BACK GROUND AND GIVES CREDIT SCORE BETWEEN 1 TO 100

3.MANAGERS IN ONE OFFICE WILL HAVE GENERAL MANAGER WHO IS HEAD OF ALL MANAGERS

IN THAT OFFICE.

4.EMPLOYEES WILL BE WORKING UNDER THE MANAGER AND GENERAL MANAGER IS HEAD OF MANAGERS IN THAT OFFICE

5.THE EXTENT OF DAMAGE IS PERCENTAGE OF DAMAGE TO THE CAR.

6.PAYMENT AMOUNT DEPENDS UPON THE CAR,MILES AND DAYS.

7.IF EMPLOYEE LISTS THE CAR THEN SAME EMPLOYEE IS NOT GOING TO CHECK THE CAR TO SATISFY THIS CONDITION WE ARE CREATING A TABLE WITH CLIENTID, EMPLOYEECLIENTID,EMPLOYEEID.

8.EMPLOYEE CLIENT ID IN THIS MODEL IS THE EMPLOYEE ID OF EMPLOYEE IN THIS TABEL.EMPLOYEE HAVE THE CLIENT ID TOO IF HE OR SHE LISTS THE CAR.

9.SUMMARY OF REPORT IS THE DESCRIPTION OF THE ACCIDENT CAUSE .





4. IDENTIFYING FUNCTIONAL DEPENDENCIES FOR EACH TABLE

FUNCTIONAL DEPENDENCIES FOR CAR OWNER TABLE:

CLIENT\_IDSSN,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,HOME\_PHONE,CELL\_PHONE,ADDRESS,CITY,ZIP\_CODE,EMAIL,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE,CREDIT\_SCORE\_NO.

SSNCLIENT\_ID,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,HOME\_PHONE,CELL\_PHONE,ADDRESS,CITY,ZIP\_CODE,EMAIL,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE,CREDIT\_SCORE\_NO.

EMAILSSN,CLIENT\_ID,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,HOME\_PHONE,CELL\_PHONE,ADDRESS,CITY,ZIP\_CODE,EMAIL,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE,CREDIT\_SCORE\_NO

CELL\_PHONECLIENT\_ID,SSN,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,HOME\_PHONE,ADDRESS,CITY,ZIP\_CODE,EMAIL,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE,CREDIT\_SCORE\_NO

HOME\_PHONECLIENT\_ID,SSN,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,CELL\_PHONE,ADDRESS,CITY,ZIP\_CODE,EMAIL,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE,CREDIT\_SCORE\_NO.

  
 FUNCTIONAL DEPENDENCIES FOR CUSTOMER TABLE:

CUSTOMER\_IDFIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,CELL\_PHONE,ADDRESS,EMAIL,STATE\_DRIVERS\_LICENSE\_ISSUED,DRIVERS\_LICENSE\_NUMBER,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE.

EMAILCUSTOMER\_ID,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,CELL\_PHONE,ADDRESS,STATE\_DRIVERS\_LICENSE\_ISSUED,DRIVERS\_LICENSE\_NUMBER,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE.

CELL\_PHONECUSTOMER\_ID,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,ADDRESS,EMAIL,STATE\_DRIVERS\_LICENSE\_ISSUED,DRIVERS\_LICENSE\_NUMBER,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE.

DRIVERS\_LICENSE\_NUMBERSTATE\_DRIVERS\_LICENSE\_ISSUED.



FUNCTIONAL DEPENDENCIES FOR CHECKS TABLE:

EMPLOYEE\_ID,CLIENT\_IDCLIENT\_EMP\_ID

  
 FUNCTIONAL DEPENDENCIES FOR OFFICE TABLE:

OFFICE\_IDNAME,ADDRESS,PHONE,FAX,EMAIL,OPEN\_HOURS,DAYS\_OF\_WEEK\_OPEN,NO\_OF\_EMPLOYEES,DIRECTION\_TO\_BRANCH,MANAGER\_NAME.

EMAILOFFICE\_ID,NAME,ADDRESS,PHONE,FAX,OPEN\_HOURS,DAYS\_OF\_WEEK\_OPEN,NO\_OF\_EMPLOYEES,DIRECTION\_TO\_BRANCH,MANAGER\_NAME.

PHONEOFFICE\_ID,NAME,ADDRESS,FAX,EMAIL,OPEN\_HOURS,DAYS\_OF\_WEEK\_OPEN,NO\_OF\_EMPLOYEES,DIRECTION\_TO\_BRANCH,MANAGER\_NAME.



FUNCTIONAL DEPENDENCIES FOR GM TABLE:

EMPLOYEE\_ID, ID\_OF\_MANAGER\_REPORTING OFFICE\_ID ,FNAME\_OF\_MANAGER\_REPORTING.



FUNCTIONAL DEPENDENCIES FOR LISTS TABLE:

CLIENT-ID,CAR\_ID(VIN)LIST\_DATE,CAR\_INFO

  
 FUNCTIONAL DEPENDENCIES FOR EMPLOYEE TABLE:

EMPLOYEE\_IDF\_NAME,L\_NAME,M\_NAME,ADDRESS,SSN,SALARY,TAX\_DEDUCTION,BIRTH\_DATE,MARITAL\_STATUS,NAME\_OF\_SPOUSE,OFFICE\_EMPLOYEE\_WORKS\_AT,EXPERIENCE\_AT\_THIS\_OFFICE,EXPERIENCE\_FOR\_THIS\_OFFICE,LAST\_DEGREE,LAST\_DEGREE\_DATE,LIST\_OF\_CERTIFICATES,CERTIFICATE\_DATE,NAME\_OF\_EMPLOYEE\_MANAGER,NUMBER\_OF\_DEPENDENTS,HOME\_PHONE\_NUMBER,CELL\_PHONE.

SSNEMPLOYEE\_ID,F\_NAME,L\_NAME,M\_NAME,ADDRESS,SALARY,TAX\_DEDUCTION,BIRTH\_DATE,MARITAL\_STATUS,NAME\_OF\_SPOUSE,OFFICE\_EMPLOYEE\_WORKS\_AT,EXPERIENCE\_AT\_THIS\_OFFICE,EXPERIENCE\_FOR\_THIS\_OFFICE,LAST\_DEGREE,LAST\_DEGREE\_DATE,LIST\_OF\_CERTIFICATES,CERTIFICATE\_DATE,NAME\_OF\_EMPLOYEE\_MANAGER,NUMBER\_OF\_DEPENDENTS,HOME\_PHONE\_NUMBER,CELL\_PHONE.

HOME\_PHONE\_NUMBEREMPLOYEE\_ID,F\_NAME,L\_NAME,M\_NAME,ADDRESS,SSN,SALARY,TAX\_DEDUCTION,BIRTH\_DATE,MARITAL\_STATUS,NAME\_OF\_SPOUSE,OFFICE\_EMPLOYEE\_WORKS\_AT,EXPERIENCE\_AT\_THIS\_OFFICE,EXPERIENCE\_FOR\_THIS\_OFFICE,LAST\_DEGREE,LAST\_DEGREE\_DATE,LIST\_OF\_CERTIFICATES,CERTIFICATE\_DATE,NAME\_OF\_EMPLOYEE\_MANAGER,NUMBER\_OF\_DEPENDENTS ,CELL\_PHONE.

CELL\_PHONEEMPLOYEE\_ID,F\_NAME,L\_NAME,M\_NAME,ADDRESS,SSN,SALARY,TAX\_DEDUCTION,BIRTH\_DATE,MARITAL\_STATUS,NAME\_OF\_SPOUSE,OFFICE\_EMPLOYEE\_WORKS\_AT,EXPERIENCE\_AT\_THIS\_OFFICE,EXPERIENCE\_FOR\_THIS\_OFFICE,LAST\_DEGREE,LAST\_DEGREE\_DATE,LIST\_OF\_CERTIFICATES,CERTIFICATE\_DATE,NAME\_OF\_EMPLOYEE\_MANAGER,NUMBER\_OF\_DEPENDENTS,HOME\_PHONE\_NUMBER.

MULTIVALUED FUNCTINAL DEPENDENCIES: IN THIS EMPLOYEE TABLE DEGREES WILL BE MVFD BUT WE CONSIDER ONLY LAST DEGREE IN THIS TABLE. CERTIFICATES IS MVFD IN THIS EMPLOYEE TABLE BECAUSE ONE EMPLOYEE CAN HAVE MORE THAN ONE CERTIFICATE.



FUNCTIONAL DEPENDENCIES FOR REQUEST TABLE:

REQUEST\_IDCUSTOMER\_ID,CLIENT\_ID,CAR\_ID(VIN),STATUS.

CAR\_ID(VIN)REQUEST\_ID,CUSTOMER\_ID,CLIENT\_ID, STATUS.

CLIENT\_ID REQUEST\_ID,CUSTOMER\_ID ,CAR\_ID(VIN),STATUS.

CUSTOMER\_IDREQUEST\_ID,CLIENT\_ID,CAR\_ID(VIN),STATUS.



FUNCTIONAL DEPENDENCIES FOR ACCIDENT TABLE:

ACCIDENT\_IDREQUEST\_ID,CUSTOMER\_INFO,DATE,TIME,LOCATION,EXTENT\_OF\_DAMAGE,COST\_OF\_DAMAGE,POLICE\_REPORT,SUMMARY\_OF\_REPORT.

REQUEST\_IDACCIDENT\_ID,CUSTOMER\_INFO,DATE,TIME,LOCATION,EXTENT\_OF\_DAMAGE,COST\_OF\_DAMAGE,POLICE\_REPORT,SUMMARY\_OF\_REPORT.

DATE,TIME,LOCATIONEXTENT\_OF\_DAMAGE,COST\_OF\_DAMAGE,POLICE\_REPORT



FUNCTIONAL DEPENDENCIES FOR PAYMENT TABLE:

CUSTOMER\_ID,CLIENT\_IDREQUEST\_ID,PAYMENT\_AMOUNT,RATING,NO\_OF\_MILES,NO\_OF\_DAYS.

REQUEST\_ID CUSTOMER\_ID,CLIENT\_ID ,PAYMENT\_AMOUNT,RATING,NO\_OF\_MILES,NO\_OF\_DAYS.



FUNCTIONAL DEPENDENCIES FOR CAR TABLE:

CAR\_ID(VIN)CAR\_INFO,CURRENT\_MILEAGE,CLASS,FEATURES,MAKE,COLOR,YEAR,PICTURES,DAILY\_PRICE,MILES\_INCLUDED,ADDITIONAL\_COST\_PER\_MILE,WEEKLY\_DISCOUNT,MONTHLY\_DISCOUNT,CAR\_DESCRIPTION.

5 NORMALIZE THE TABLES:

CAR OWNER TABLE:

TO MAKE TABLE INTO 1NF ADDRESS FIELD IS DIVIDED INTO FIELDS : FLAT NO , STREET NAME.

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

NOW THE TABLE IS

CLIENT\_IDSSN,FIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,HOME\_PHONE,CELL\_PHONE,FLAT\_NO,STREET\_NAME,CITY,ZIP\_CODE,EMAIL,CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE,CREDIT\_SCORE\_NO.

CUSTOMER TABLE:

TO MAKE TABLE INTO 1NF ADDRESS FIELD IS DIVIDED INTO FIELDS : FLAT NO , STREET NAME.

TO MAKE TABLE INTO 3NF STATE DRIVERS LICENSE ISSUED AND DRIVERS LICENSE NUMBER FIELDS ARE TRANSITIVELY DEPENDANT SO MAKE TWO TABLES .

NOW THE TABLES ARE:

CUSTOMER\_IDFIRST\_NAME,LAST\_NAME,MIDDLE\_NAME,BIRTH\_DATE,CELL\_PHONE,ADDRESS,EMAIL, CREDIT\_CARD\_NO,CREDITCARD\_EXP\_DATE.

DRIVERS\_LICENSE\_NUMBER STATE\_DRIVERS\_LICENSE\_ISSUED

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

CHECKS TABLE:

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

CHECKS TABLE IS

EMPLOYEE\_ID,CLIENT\_IDCLIENT\_EMP\_ID

OFFICE TABLE:

TO MAKE TABLE INTO 1NF ADDRESS FIELD IS DIVIDED INTO FIELDS : FLAT NO , STREET NAME,CITY,ZIPCODE

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

OFFICE TABLE IS

OFFICE\_IDNAME,FLAT\_NO,STREETNAME,CITY,ZIPCODE,PHONE,FAX,EMAIL,OPEN\_HOURS,DAYS\_OF\_WEEK\_OPEN,NO\_OF\_EMPLOYEES,DIRECTION\_TO\_BRANCH,MANAGER\_NAME.

GM TABLE:

TO MAKE TABLE IN 3NF

FNAME OF MANAGER REPORTING SHOULD BE REMOVED

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

GM TABLE IS

ID\_OF\_MANAGER\_REPORTING,EMPLOYEE\_ID OFFICE\_ID.

LISTS TABLE :

IT IS IN 2NF CAR INFO IS DEPENDANT ON CARID(VIN) SO REMOVE CAR\_INFO

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

LISTS TABLE IS

CLIENT-ID,CAR\_ID(VIN)LIST\_DATE

EMPLOYEE TABLE :

TO MAKE TABLE INTO 1NF ADDRESS FIELD IS DIVIDED INTO FIELDS : FLAT NO , STREET NAME,CITY,ZIPCODE

EMPLOYEE CAN HAVE MORE THAN ONE DEGREE BUT WE CONSIDER LATEST DEGREE.

EMPLOYEE CAN HAVE MORE THAN ONE CERTIFICATE SO IT IS MVFD.MAKE TWO TABLES .

EMPLOYEE TABLE IS:

TABLE(EMPLOYEE\_ID,F\_NAME,L\_NAME,M\_NAME,FLAT\_NOSTREET\_NAME,CITY,ZIPCODE,SSN,SALARY,TAX\_DEDUCTION,BIRTH\_DATE,MARITAL\_STATUS,NAME\_OF\_SPOUSE,OFFICE\_EMPLOYEE\_WORKS\_AT,EXPERIENCE\_AT\_THIS\_OFFICE,EXPERIENCE\_FOR\_THIS\_OFFICE,LAST\_DEGREE,LAST\_DEGREE\_DATE,NAME\_OF\_EMPLOYEE\_MANAGER,NUMBER\_OF\_DEPENDENTS,HOME\_PHONE\_NUMBER,CELL\_PHONE.)

TABLE(EMPLOYEE ID,LIST OF CERTIFICATES,CERTIFICATE DATE)

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

REQUEST TABLE:

HERE CUSTOMER ID,CLIENT ID,CAR(VIN) ARE FK

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

REQUEST TABLE IS

REQUEST\_IDCUSTOMER\_ID,CLIENT\_ID,CAR\_ID(VIN),STATUS.

ACCIDENT TABLE:

TABLE(ACCIDENT\_ID,REQUEST\_ID,CUSTOMER\_INFO,DATE,TIME,LOCATION,EXTENT\_OF\_DAMAGE,COST\_OF\_DAMAGE,POLICE\_REPORT,SUMMARY\_OF\_REPORT.)

REQUEST ID IS FK

THE TABLE IS NOT IN 3NF. SO MAKE TWO TABLES

TABLE(ACCIDENT\_ID,REQUEST\_ID,CUSTOMER\_INFO,POLICE\_REPORT,SUMMARY\_OF\_REPORT.)

TABLE(ACCIDENT ID,DATE,TIME,LOCATION,EXTENT\_OF\_DAMAGE,COST\_OF\_DAMAGE)

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

PAYMENT TABLE:

REQUEST ID IS FK.

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

PAYMENT TABLE IS

CUSTOMER\_ID,CLIENT\_IDREQUEST\_ID,PAYMENT\_AMOUNT,RATING,NO\_OF\_MILES,NO\_OF\_DAYS.

CAR TABLE:

THE TABLE IS IN 2NF,3NF,BCNF,4NF AND 5NF

CAR TABLE IS

CAR\_ID(VIN)CAR\_INFO,CURRENT\_MILEAGE,CLASS,FEATURES,MAKE,COLOR,YEAR,PICTURES,DAILY\_PRICE,MILES\_INCLUDED,ADDITIONAL\_COST\_PER\_MILE,WEEKLY\_DISCOUNT,MONTHLY\_DISCOUNT,CAR\_DESCRIPTION.

8.LIST OF TABLES



9.LIST OF TABLE CONSTRAINT:

CUSTOMER\_TABLE



CAR\_OWNER\_TABLE



OFFICE\_TABLE



GM\_TABLE



LISTS\_TABLE



CAR\_TABLE



PAYMENT\_TABLE



LICENSE\_TABLE



ACCIDENTINFO



REQUESTTABLE



ACCIDENT\_TABLE



CERTIFICATES



CHECKS\_TABLE



EMPLOYEE\_TABLE



10.VALUES OF DATA ON EACH TABLE

CUSTOMER\_TABLE



CHECKS\_TABLE



CERTIFICATES



ACCIDENTINFO



EMPLOYEE\_TABLE



LICENSE\_TABLE



REQUEST\_TABLE



ACCIDENT\_TABLE



PAYMENT\_TABLE



CAR\_TABLE



LISTS\_TABLE



GM\_TABLE



OFFICE\_TABLE



CAR\_OWNER\_TABLE



11.A.query: select employee\_id,f\_name||' '||m\_name||' '||l\_name as name,flat\_no||''||street\_name||''||city||''||zipcode as address from

EMPLOYEE\_TABLE;



11.B.

QUERY: SELECT F\_NAME FROM EMPLOYEE\_TABLE WHERE EMPLOYEE\_ID IN(SELECT manager\_id FROM EMPLOYEE\_TABLE);



11.C. QUERY:SELECT first\_name,last\_name,CREDIT\_SCORE\_NO FROM CAR\_OWNER\_TABLE;



11.D.

QUERY: SELECT A.FIRST\_NAME CLIENT\_NAME,B.F\_NAME EMP\_NAME,B.OFFICE\_EMPLOYEE\_WORKS\_AT

FROM CAR\_OWNER\_TABLE A,EMPLOYEE\_TABLE B,CHECKS\_TABLE C WHERE A.CLIENT\_ID=C.CLIENT\_ID AND C.EMPLOYEE\_ID=B.EMPLOYEE\_ID;



11.E. SELECT A.FIRST\_NAME,B.CAR\_ID,D.COST\_OF\_DAMAGE FROM CUSTOMER\_TABLE A,request\_table B, accident\_TABLE C, accidentinfo D WHERE C.REQUEST\_ID=B.REQUEST\_ID AND A.CUSTOMER\_ID=B.CUSTOMER\_ID AND C.ACCIDENT\_ID=D.ACCIDENT\_ID;



11.F

SELECT B.FIRST\_NAME,A.CUSTOMER\_ID,A.CARES\_RENTED FROM (SELECT CUSTOMER\_ID,COUNT(\*) CARES\_RENTED FROM PAYMENT\_TABLE GROUP BY CUSTOMER\_ID) A,

CUSTOMER\_TABLE B WHERE A.CUSTOMER\_ID=B.CUSTOMER\_ID;



11.G. SELECT CUSTOMER\_ID,COUNT(\*) CARES\_RENTED FROM PAYMENT\_TABLE GROUP BY CUSTOMER\_ID;



11.H

SELECT FIRST\_NAME,CELL\_PHONE FROM CAR\_OWNER\_TABLE WHERE (SYSDATE-BIRTH\_DATE)/365 >30;



11.I

SELECT SSN,FLAT\_NO||' '||STREET\_NAME||' '||CITY||' '||ZIPCODE AS ADDRESS FROM

EMPLOYEE\_TABLE WHERE GENDER='F' AND EMPLOYEE\_ID IN (SELECT EMPLOYEE\_ID FROM CERTIFICATES );



11.J

SELECT LIST\_DATE ,COUNT(\*) FROM LISTS\_TABLE WHERE LIST\_DATE='&LIST\_DATE' GROUP BY LIST\_DATE;



11.K.

SELECT A.F\_NAME,B.FIRST\_NAME FROM EMPLOYEE\_TABLE A,CAR\_OWNER\_TABLE B,CHECKS\_TABLE C

WHERE B.CREDIT\_SCORE\_NO>50 AND B.CLIENT\_ID=C.CLIENT\_ID AND C.EMPLOYEE\_ID=A.EMPLOYEE\_ID;



11.L.

SELECT A.FIRST\_NAME CUSTOMER\_NAME,B.FIRST\_NAME CLIENT\_NAME,C.RATING CLIENT\_TO\_CUSTOMER\_RATING FROM CUSTOMER\_TABLE A,

CAR\_OWNER\_TABLE B,payment\_table C WHERE A.CUSTOMER\_ID=C.CUSTOMER\_ID AND C.CLIENT\_ID=B.CLIENT\_ID;



11.M.

SELECT CAR\_ID,COUNT(\*) COUNT,SUM(PAYMENT\_AMOUNT) TOTAL\_RENT FROM (SELECT A.REQUEST\_ID,A.CAR\_ID,B.PAYMENT\_AMOUNT FROM request\_table A,

payment\_table B WHERE A.REQUEST\_ID=B.REQUEST\_ID) GROUP BY CAR\_ID;



11.N

SELECT DISTINCT A.F\_NAME,A.L\_NAME,A.M\_NAME FROM EMPLOYEE\_TABLE A,GM\_TABLE B WHERE A.EMPLOYEE\_ID=B.EMPLOYEE\_ID;



11.O.

SELECT \* FROM CAR\_OWNER\_TABLE WHERE CLIENT\_ID=&CLIENT\_ID;



11.P

SELECT EMPLOYEE\_ID, SUM(SALARY) FROM EMPLOYEE\_TABLE GROUP BY EMPLOYEE\_ID ;



11.Q.

SELECT A.F\_NAME,A.EMPLOYEE\_ID FROM EMPLOYEE\_TABLE A,CHECKS\_TABLE B WHERE A.EMPLOYEE\_ID=B.CLIENT\_EMP\_ID;



11.R.

SELECT DAYS\_OF\_WEEK\_OPEN,OPEN\_HOURS FROM OFFICE\_TABLE WHERE OFC\_NAME='&OFC\_NAME';



11.S.

SELECT SUM(NO\_OF\_MILES) FROM payment\_TABLE WHERE REQUEST\_ID IN

(SELECT REQUEST\_ID FROM REQUEST\_TABLE WHERE REQUEST\_DATE BETWEEN '&REQUEST\_DATE' AND '&REQUEST\_DATE');



11.T.useful query to clients

This query can be useful to customers to find nearest office.

SELECT DISTINCT A.FIRST\_NAME CLIENT\_F\_NAME,A.LAST\_NAME CLIENT\_L\_NAME,A.EMAIL AS CLIENT\_EMAIL,B.OFC\_NAME AS NEAR\_BY\_OFFICE\_NAME,

B.PHONE AS OFFICE\_PHONE,B.EMAIL AS OFFICE\_EMAIL FROM CAR\_OWNER\_TABLE A,OFFICE\_TABLE B,CUSTOMER\_TABLE C WHERE A.CITY IN(SELECT CITY FROM CUSTOMER\_TABLE WHERE CITY='&CITY') AND C.CITY=A.CITY and C.CITY=B.CITY;

