

**AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH**

**FACULTY OF SCIENCE & TECHNOLOGY**

**FALL 2022-2023**

**COURSE NAME**

INTRODUCTION TODATABASE

**SECTION:** C

**GROUP NO:** 6

**PROJECT TITLE**

VEHICLE CONTROL & INFORMATION MANAGEMENT SYSTEM

**SUPERVISED BY**

**MST. TASNIM PARVEEN**

**GROUP INFO**

|  |  |
| --- | --- |
| **NAME** | **ID** |
| 1.RIFAH SANZIDA | 22-47154-1 |
| 2.MD SAMIN YEASER | 22-47139-1 |
| 3.TAHMIDA ALAMGIR | 22-46020-1 |

**DATE OF SUBMISSION:** 26 DECEMBER 2022

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**INTRODUCTION**

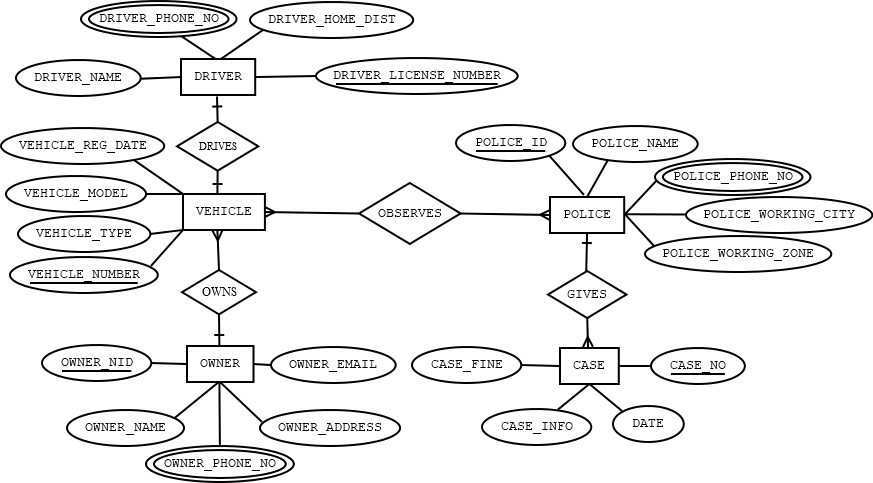
IN BANGLADESH WE CANNOT EASILY VERIFY A VEHICLE OR A DRIVER DUE TO SHORTEST OF RESOURCES. LAW ENFORCEMENT UNITS CANNOT PUNISH ANY VEHICLE JUST BY SEEING THE NUMBER OF THE VEHICLE. IN THIS PROJECT WE TRY TO MANAGE THIS SITUATION. WE TRY OUR BEST TO MAKE A GOOD MANAGEMENT BY WHICH LAW ENFORCEMENT UNITS CAN EASILY VERIFY A VEHICLE. THEY CAN EASILY FIND OUT ALL THE DETAILS ABOUT THAT VEHICLE, AND IF THERE ARE ANY OTHER CASES AGAINST THAT VEHICLE BY USING OUR MANAGEMENT SYSTEM.

**SCENARIO DESCRIPTION**

A VEHICLE CONTROL AND INFORMATION MANAGEMENT SYSTEM IS BASICALLY CONTROLLING THE VEHICLES IN A SYSTEMATIC WAY.VEHICLE IS UNIQUELY IDENTIFIED BY VEHICLE\_ NUMBER. OTHER ATTRIBUTES OF A VEHICLE ARE VEHICLE\_TYPE, VEHICLE\_MODEL, VEHICLE\_REG\_DATE. A DRIVER DRIVES A VEHICLE. DRIVER IS ALSO IDENTIFIED BY DRIVER\_LICENSE\_NUMBER. DRIVER HAS DRIVER\_NAME, DRIVER\_PHONE\_NO, AND DRIVER\_HOME\_DIST. AN OWNER OWNS MANY VEHICLES. AN OWNER IS IDENTIFIED BY OWNER\_NID. AN OWNER ALSO HAS OWNER\_NAME, OWNER\_PHONE\_NO, OWNER\_ADDRESS, AND OWNER\_EMAIL. MANY POLICE OBSERVES MANY VEHICLES. POLICE HAS UNIQUE POLICE\_ID. POLICE ALSO HAS POLICE\_NAME, POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY, AND POLICE\_WORKING\_ZONE. POLICE GIVES MANY CASES.POLICE CAN PUNISH DRIVERS BY ASSIGNING CASES AGAINST VEHICLES CASE HAS UNIQUE CASE\_NO AS PRIMARY KEY. CASE ALSO HAS CASE\_DATE, CASE\_INFO, AND CASE\_FINE.

**ER DIAGRAM**

**(BEFORE NORMALIZATION)**

****

**NORMALIZATION**

**DRIVER** **DRIVES VEHICLE**

**UNF:**

DRIVES(VEHICLE\_REG\_DATE,VEHICLE\_MODEL,VEHICLE\_TYPE, VEHICLE\_NUMBER,DRIVER\_NAME,DRIVER\_PHONE\_NO, DRIVER\_HOME\_DIST,DRIVER\_LICENSE\_NUMBER)

**1NF:**

DRIVER\_PHONE\_NO IS MULTIVALUED ATTRIBUTE.

**2NF:**

1.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE,VEHICLE\_TYPE,

2. DRIVER\_LICENSE\_NUMBER,DRIVER\_NAME,DRIVER\_PHONE\_NO, DRIVER\_HOME\_DIST,

**3NF:**

THERE IS NO TRANSITIVE DEPENDENCY.

1.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE, DRIVER\_LICENSE\_NUMBER

2. DRIVER\_LICENSE\_NUMBER,DRIVER\_NAME, DRIVER\_PHONE\_NO, DRIVER\_HOME\_DIST

**OWNER OWNS VEHICLE**

**UNF:**

OWNS(VEHICLE\_REG\_DATE,VEHICLE\_MODEL,VEHICLE\_TYPE, VEHICLE\_TYPE,DRIVER\_LICENSE\_NUMBER,OWNER\_NID, OWNER\_NAME,OWNER\_PHONE\_NO,OWNER\_ADDRESS, OWNER\_EMAIL)

**1NF:**

OWNER\_PHONE\_NO IS MULTIVALUED ATTRIBUTE.

**2NF:**

1.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE 2.OWNER\_NID,OWNER\_NAME,OWNER\_PHONE\_NO,OWNER\_ADDRESS, OWNER\_EMAIL, VEHICLE\_NUMBER

**3NF:**

THERE IS NO TRANSITIVE DEPENDENCY.

1.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE

2. OWNER\_NID, OWNER\_NAME,OWNER\_PHONE\_NO,OWNER\_ADDRESS, OWNER\_EMAIL, VEHICLE\_NUMBER

**POLICE GIVES CASE**

**UNF:**

GIVE(POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE,CASE\_NO,DATE, CASE\_INFO, CASE\_FINE)

**1NF:**

POLICE\_PHONE\_NO IS MULTIVALUED ATTRIBUTE.

**2NF:**

1.POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE

2. CASE\_NO, DATE, CASE\_INFO, CASE\_FINE, POLICE\_ID

**3NF:**

THERE IS NO TRANSITIVE DEPENDENCY.

1.POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE

2. CASE\_NO, DATE, CASE\_INFO, CASE\_FINE, POLICE\_ID

**POLICE OBSERVES VEHICLE**

**UNF:**

OBSERVES(VEHICLE\_MODEL,VEHICLE\_REG\_DATE,VEHICLE\_TYPE, VEHICLE\_TYPE,POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE)

**1NF:**

POLICE\_PHONE\_NO IS MULTIVALUED ATTRIBUTE

**2NF:**

**1.**VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE

**2.**POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE

**3.**VP\_ID, VEHICLE\_MODEL,POLICE\_ID

**3NF:**

THERE IS NO TRANSITIVE DEPENDENCY.

**1.**VEHICLE\_MODEL,VEHICLE\_REG\_DATE,VEHICLE\_TYPE,

**2.**POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE

**3.**VP\_ID, VEHICLE\_MODEL, POLICE\_ID

**TOTAL TABLE:**

1.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE, DRIVER\_LICENSE\_NUMBER

2.DRIVER\_LICENSE\_NUMBER,DRIVER\_NAME, DRIVER\_PHONE\_NO, DRIVER\_HOME\_DIST

3.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE

4. OWNER\_NID, OWNER\_NAME,OWNER\_PHONE\_NO,OWNER\_ADDRESS, OWNER\_EMAIL, VEHICLE\_NUMBER

5.POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE

6. CASE\_N0, DATE, CASE\_INFO, CASE\_FINE, POLICE\_ID

7.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE, VEHICLE\_TYPE

8.POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY, POLICE\_WORKING\_ZONE

9.VP\_ID, VEHICLE\_NUMBER, POLICE\_ID

**FINAL TABLE:**

1.VEHICLE\_NUMBER,VEHICLE\_MODEL,VEHICLE\_REG\_DATE,VEHICLE\_TYPE, DRIVER\_LICENSE\_NUMBER

2. DRIVER\_LICENSE\_NUMBER,DRIVER\_NAME, DRIVER\_PHONE\_NO, DRIVER\_HOME\_DIST

3. OWNER\_NID, OWNER\_NAME,OWNER\_PHONE\_NO,OWNER\_ADDRESS, OWNER\_EMAIL, VEHICLE\_NUMBER

4.POLICE\_ID,POLICE\_NAME,POLICE\_PHONE\_NO, POLICE\_WORKING\_CITY,POLICE\_WORKING\_ZONE

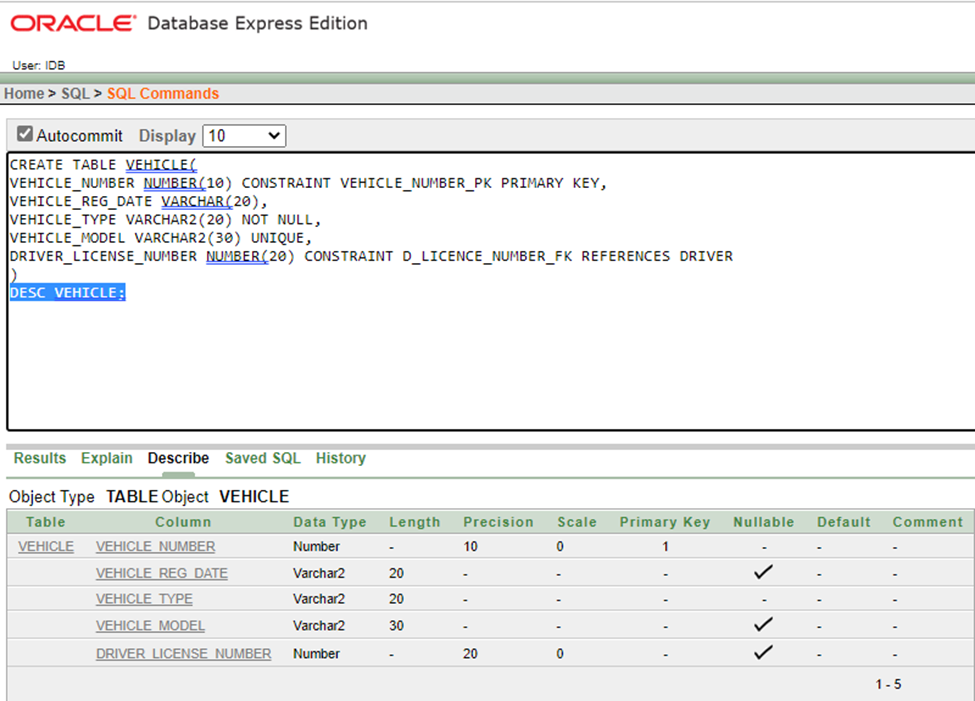
5. CASE\_N0, DATE, CASE\_INFO, CASE\_FINE, POLICE\_ID

6.VP\_ID, VEHICLE\_NUMBER, POLICE\_ID

**TABLE CREATION**

**VEHICLE TABLE:**

|  |
| --- |
| CREATE TABLE VEHICLE(  VEHICLE\_NUMBER NUMBER(10) CONSTRAINT VEHICLE\_NUMBER\_PK PRIMARY KEY,  VEHICLE\_REG\_DATE VARCHAR(20),  VEHICLE\_TYPE VARCHAR2(20) NOT NULL,  VEHICLE\_MODEL VARCHAR2(30) UNIQUE,  DRIVER\_LICENSE\_NUMBER NUMBER(20) CONSTRAINT D\_LICENCE\_NUMBER\_FK REFERENCES DRIVER  )  DESC DRIVER; |



**DRIVER TABLE:**

|  |
| --- |
| CREATE TABLE DRIVER(  DRIVER\_LICENSE\_NUMBER NUMBER (15)CONSTRAINT DRIVER\_LICENSE\_NUMBER\_PK PRIMARY KEY,  DRIVER\_NAME VARCHAR2(30) NOT NULL,  DRIVER\_PHONE\_NO NUMBER(15) UNIQUE,  DRIVER\_HOME\_DIST VARCHAR2(15)  );  DESC DRIVER; |

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**OWNER TABLE:**

|  |
| --- |
| CREATE TABLE OWNER(  OWNER\_ID NUMBER(15) CONSTRAINT OWNER\_ID\_PK PRIMARY KEY,  OWNER\_NAME VARCHAR2(30),  OWNER\_PHONE\_NO NUMBER(15) UNIQUE,  OWNER\_ADDRESS VARCHAR2(40),  OWNERE\_MAIL VARCHAR2(40) UNIQUE,  VEHICLE\_NUMBER NUMBER(10) CONSTRAINT VEHICLE\_OWNER\_FK REFERENCES VEHICLE(VEHICLE\_NUMBER)  );  DESC OWNER; |

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**POLICE TABLE:**

|  |
| --- |
| CREATE TABLE POLICE(  POLICE\_ID NUMBER(10) CONSTRAINT POLICE\_ID\_PK PRIMARY KEY,  POLICE\_NAME VARCHAR2(30),  POLICE\_PHONE\_NO\_1 NUMBER(15) UNIQUE,  POLICE\_WORKING\_CITY VARCHAR2(10),  POLICEWORKINGZONE VARCHAR2(10)  );  DESC POLICE; |

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**CASE TABLE:**

|  |
| --- |
| CREATE TABLE CASE(  CASE\_NO NUMBER(10) CONSTRAINT CASE\_NO\_PK PRIMARY KEY,  CASE\_DATE DATE,  CASE\_INFO VARCHAR2(40),  CASE\_FINE NUMBER(8),  POLICE\_ID NUMBER(20) CONSTRAINT P\_ID\_FK REFERENCES POLICE(POLICE\_ID)  );  DESC CASE; |

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**VP TABLE:**

|  |
| --- |
| CREATE TABLE VP(  VP\_ID NUMBER(20) CONSTRAINT VP\_ID\_PK PRIMARY KEY,  POLICE\_ID NUMBER(20) CONSTRAINT PO\_ID\_FK REFERENCES POLICE(POLICE\_ID),  VEHICLE\_NUMBER NUMBER(20) CONSTRAINT VEHI\_NUMBER\_FK REFERENCES VEHICLE(VEHICLE\_NUMBER)  );  DESC VP; |

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**DATA INSERTION**

**VEHICLE TABLE:**

INSERT INTO VEHICLE VALUES (132868,TO\_DATE('12-APR-2016','DD-MM-YYYY'),'CAR','COROLLA',1285518);

INSERT INTO VEHICLE VALUES (142569,TO\_DATE('17-OCT-2012','DD-MM-YYYY'),'BIKE','APACE',1286619);

INSERT INTO VEHICLE VALUES (256563,TO\_DATE('14-JUN-2018','DD-MM-YYYY'),'BUS','HYUNDAI',1284420);

INSERT INTO VEHICLE VALUES (177045,TO\_DATE('02-FEB-2014','DD-MM-YYYY'),'TRUCK','TATA'1185621);

INSERT INTO VEHICLE VALUES (166559,TO\_DATE('03-MAR-2013','DD-MM-YYYY'),'CAR','ALLION',1185519);

INSERT INTO VEHICLE VALUES (154587,TO\_DATE('24-OCT-2015','DD-MM-YYYY'),'CAR','PREMIO',1188692);

INSERT INTO VEHICLE VALUES (125253,TO\_DATE('11-NOV-2011','DD-MM-YYYY'),'BUS','SCANIA',1356695);

INSERT INTO VEHICLE VALUES (278565,TO\_DATE('12-SEP-2020','DD-MM-YYYY'),'CAR','BMW',1458558);

INSERT INTO VEHICLE VALUES (254548,TO\_DATE('10-JUL-2019','DD-MM-YYYY'),'BIKE','GIXER',1178899);

INSERT INTO VEHICLE VALUES (241963,TO\_DATE('22-AUG-2017','DD-MM-YYYY'),'TRUCK','EICHER',1150258);

SELECT \* FROM VEHICLE;

A picture containing table

Description automatically generated

**DRIVER TABLE:**

INSERT INTO DRIVER VALUES (1285518,'HASAN ALI',01317810827,'DHAKA');

INSERT INTO DRIVER VALUES (1286619,'RAFI AHMED',01715040513,'RAJSHAHI');

INSERT INTO DRIVER VALUES (1284420,'RUBEL HASAN',01767808817,'CUMILLA');

INSERT INTO DRIVER VALUES (1185621,'AHNAF SAYEM',01993927063,'BARISAL');

INSERT INTO DRIVER VALUES (1185519,'NAYEEM AHMED',01456985258,'NATORE');

INSERT INTO DRIVER VALUES (1188692,'AMINUL ISLAM',01955696969,'THAKURGAO');

INSERT INTO DRIVER VALUES (1356695,'SHAFWAN AHMED',01836965858,'DHAKA');

INSERT INTO DRIVER VALUES (1458558,'SABIT HASAN',01535131063,'DHAKA');

INSERT INTO DRIVER VALUES (1178899,'PANTHO AHMED',01818971458,'GAZIPUR');

INSERT INTO DRIVER VALUES (1150258,'DIPTO HASAN',01456244569,'JOYPURHAT');

SELECT \* FROM DRIVER;

Text

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**OWNER TABLE:**

INSERT INTO OWNER VALUES (1212585,'SHATABDI SARKER',01928381122,'DOCTORPARA,FENI', 'SHATABDI22@GMAIL.COM',154587);

INSERT INTO OWNER VALUES (9999869,'UMAIYA TAHIYAT BUSHRA',01928388895,'DOCTORPARA,FENI', 'TAHIYAT11@GMAIL.COM',125253);

INSERT INTO OWNER VALUES (7788585,'MD. ABDUR ROUF',01928381478,'KHILGAON,DHAKA', 'ABDUR78@GMAIL.COM',278565);

INSERT INTO OWNER VALUES (6653585,'ZAFIR KEN ZAMAN',01928384633,'UTTORA,DHAKA', 'ZAFIR11@GMAIL.COM',254548);

INSERT INTO OWNER VALUES (1266558,'DIPTO ROY',01928385565,'MALIBAGH,DHAKA', 'DIPTO99@GMAIL.COM',241963);

SELECT \* FROM OWNER;

Graphical user interface, text, application

Description automatically generated

**POLICE TABLE:**

INSERT INTO POLICE VALUES (20235,'KIBRIA HOSSAIN',01928382457,'DHAKA','UTTORA');

INSERT INTO POLICE VALUES (20236,'RUBEL ALI',01928385898,'DHAKA','MOGHBAZAR');

INSERT INTO POLICE VALUES (20252,'GOLAM AHMED',01928380295,'SYHLET','AIRPORT');

INSERT INTO POLICE VALUES (21285,'RAKIB HOSSAIN',01928345496,'RAJSHAHI','STATION');

INSERT INTO POLICE VALUES (45852,'RAJIB KHAN',01928303490,'BARISAL','ILISHMOR');

INSERT INTO POLICE VALUES (25692,'REDWAN AHMED',01928092587,'KHULNA','KHULNA');

INSERT INTO POLICE VALUES (48528,'RAJI KHAN',01928782257,'GAZIPUR','CHONDRA');

INSERT INTO POLICE VALUES (58282,'ZERIN AHMED',01928522997,'SAVAR','NOBINOGOR');

INSERT INTO POLICE VALUES (45823,'NAYEEMKHAN',01928389905,'CHANDPUR','MOTLOB');

INSERT INTO POLICE VALUES (45825,'RAFSANCHOWDHURY',01928345404,'CHITTAGONG','PORTAREA');

SELECT \*FROM POLICE;

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**CASE TABLE:**

CREATE SEQUENCE CASE\_CASENO

INCREMENT BY 1

START WITH 101

MAXVALUE 20000

NOCACHE

NOCYCLE;

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('12-MAY-2018','DD-MM-YYYY'),'HIGHSPEED',5000,20235);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('17-OCT-2016','DD-MM-YYYY'),'BREAK SIGNAL',6500,20236);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('20-JUN-2021','DD-MM-YYYY'),'HIGHSPEED',8000,20252);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('02-FEB-2022','DD-MM-YYYY'),'MODIFIED CAR',3000,21285);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('03-MAR-2019','DD-MM-YYYY'),'HIGHSPEED',8000,45852);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('20-NOV-2020','DD-MM-YYYY'),'HEADLIGHT MISSING',1500,25692);

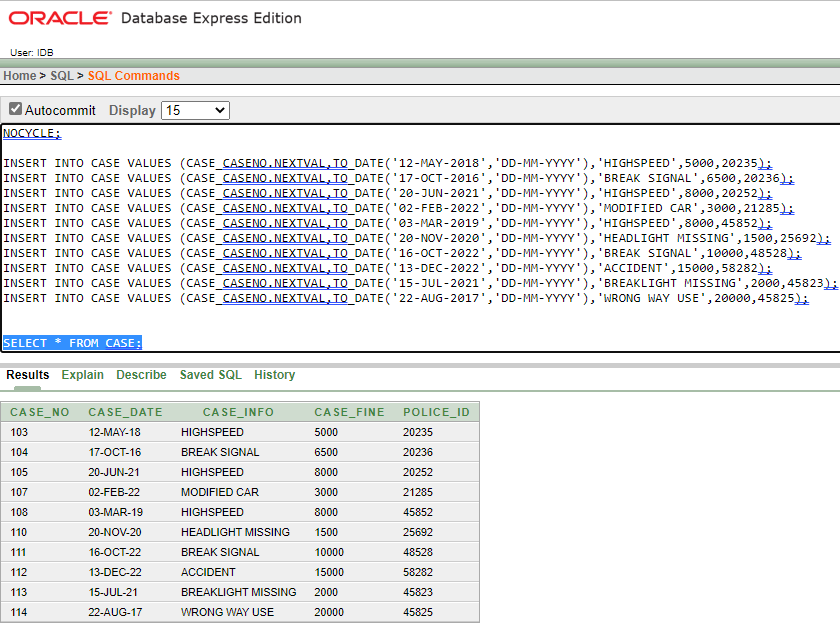
INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('16-OCT-2022','DD-MM-YYYY'),'BREAK SIGNAL',10000,48528);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('13-DEC-2022','DD-MM-YYYY'),'ACCIDENT',15000,58282);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('15-JUL-2021','DD-MM-YYYY'),'BREAKLIGHT MISSING',2000,45823);

INSERT INTO CASE VALUES (CASE\_CASENO.NEXTVAL,TO\_DATE('22-AUG-2017','DD-MM-YYYY'),'WRONG WAY USE',20000,45825);

SELECT \* FROM CASE;



**VP TABLE:**

INSERT INTO VP VALUES (123,20235,132868);

INSERT INTO VP VALUES (234,20236,142569);

INSERT INTO VP VALUES (345,20252,256563);

INSERT INTO VP VALUES (456,21285,177045);

INSERT INTO VP VALUES (567,45852,166559);

INSERT INTO VP VALUES (678,25692,154587);

INSERT INTO VP VALUES (789,48528,125253);

INSERT INTO VP VALUES (890,58282,278565);

INSERT INTO VP VALUES (901,45823,254548);

INSERT INTO VP VALUES (912,45825,241963);

SELECT \* FROM VP;

Text, table

Description automatically generated

**QUERY DESIGN**

**FUNCTION**

**1.SINGLE ROW:**

• WRITE A QUERY TO DISPLAY THE OWNER NAME IN UPPER

CASE?

ANSWER: SELECT UPPER(OWNER\_NAME) FROM OWNER;

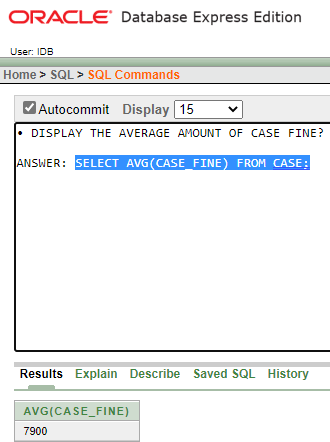
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**2.AGGREGATE:**

• DISPLAY THE AVERAGE AMOUNT OF CASE FINE?

ANSWER: SELECT AVG(CASE\_FINE) FROM CASE;



**SUBQUERY**

**1.SINGLE ROW :**

• DISPLAY THE CASE NO, CASE INFORMATION AND DATE OF CASE

WHOSE CASE FINE IS MINIMUM?

ANSWER: SELECT CASE\_NO, CASE\_INFO, CASE\_DATE FROM CASE WHERE CASE\_FINE = ( SELECT MIN(CASE\_FINE) FROM CASE );

Graphical user interface, text, application, email

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* Display Maximum MODEL of VEHICLE.

ANSWER: SELECT VEHICLE\_NUMBER,VEHICLE\_MODEL FROM

VEHICLE WHERE VEHICLE\_MODEL = (SELECT

Max(VEHICLE\_MODEL) FROM VEHICLE);

Graphical user interface, text, application, email

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**2.MULTIPLE ROW:**

• DISPLAY THE CASE NO AND CASE INFORMATION WHICH CASES

FINE ARE GREATER THAN THE MODIFIED CAR CASE?

ANSWER: SELECT CASE\_NO,CASE\_INFO FROM CASE WHERE

CASE\_FINE > ( SELECT CASE\_FINE FROM CASE WHERE CASE\_INFO

= 'MODIFIED CAR');

Graphical user interface, text, application, email

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* DISPLAY ALL THE VEHICLE'S NAME WHOSE REG DATE ARE GRATER THAN 2013 ?

ANSWER: SELECT \*FROM VEHICLE WHERE VEHICLE\_REG\_DATE>ALL(SELECT VEHICLE\_REG\_DATE FROM VEHICLE WHERE VEHICLE\_MODEL='BMW' );

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**JOINING**

**1. EQUI JOINING:**

* SHOW ALL THE OWNER INFORMATION WHO OWNS CAR?

ANSWER: SELECT O.\* FROM OWNER O, VEHICLE V WHERE

O.VEHICLE\_NUMBER = V.VEHICLE\_NUMBER AND

VEHICLE\_TYPE='CAR';

Graphical user interface, text, application, email

Description automatically generated

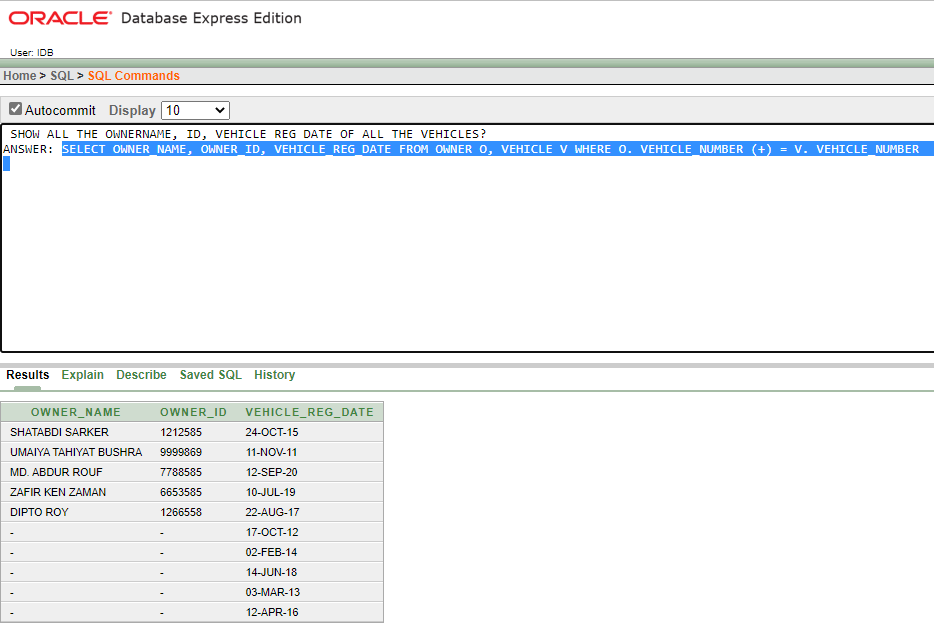
**2.OUTER JOINING:**

* SHOW ALL THE OWNERNAME, ID, VEHICLE REG DATE OF ALL THE VEHICLES?

ANSWER: SELECT OWNER\_NAME, OWNER\_ID, VEHICLE\_REG\_DATE

FROM OWNER O, VEHICLE V WHERE O. VEHICLE\_NUMBER (+) = V.

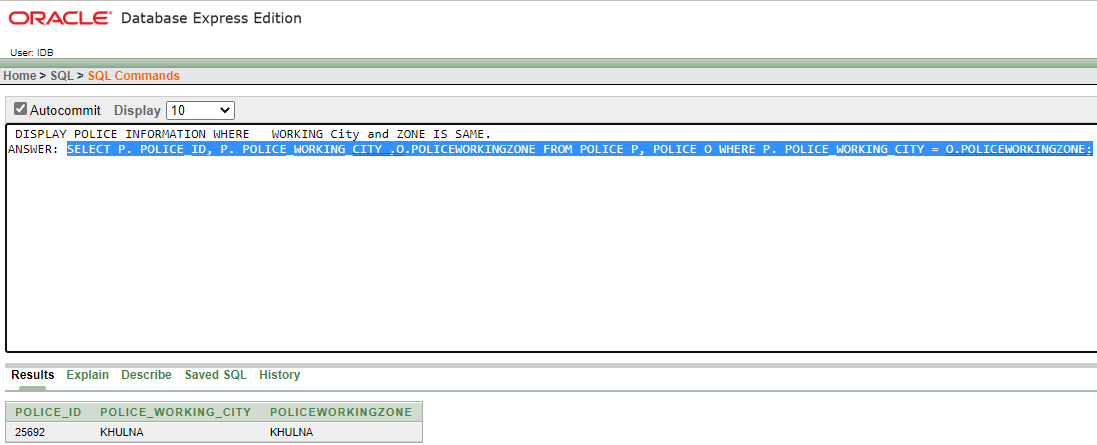
VEHICLE\_NUMBER



**3.SELF JOINING:**

* DISPLAY POLICE INFORMATION WHERE WORKING City and ZONE IS SAME.

ANSWER: SELECT P. POLICE\_ID, P. POLICE\_WORKING\_CITY ,O.POLICEWORKINGZONE FROM POLICE P, POLICE O WHERE P. POLICE\_WORKING\_CITY = O.POLICEWORKINGZONE;



**VIEW**

**1. SIMPLE VIEW:**

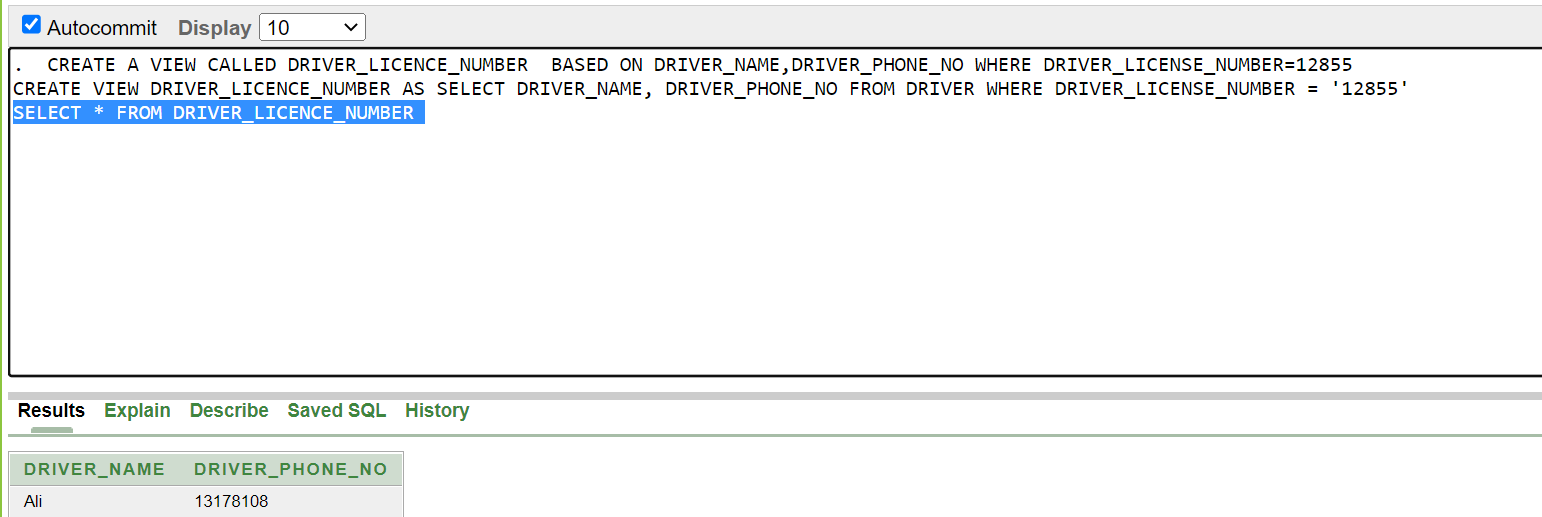
* CREATE A VIEW CALLED DRIVER\_LICENCE\_NUMBER BASED

ON DRIVER\_NAME,DRIVER\_PHONE\_NO WHERE

DRIVER\_LICENSE\_NUMBER=12855.

ANSWER: CREATE VIEW DRIVER\_LICENCE\_NUMBER AS SELECT DRIVER\_NAME, DRIVER\_PHONE\_NO FROM DRIVER WHERE DRIVER\_LICENSE\_NUMBER = '12855'

SELECT \* FROM DRIVER\_LICENCE\_NUMBER



**2.COMPLEX VIEW:**

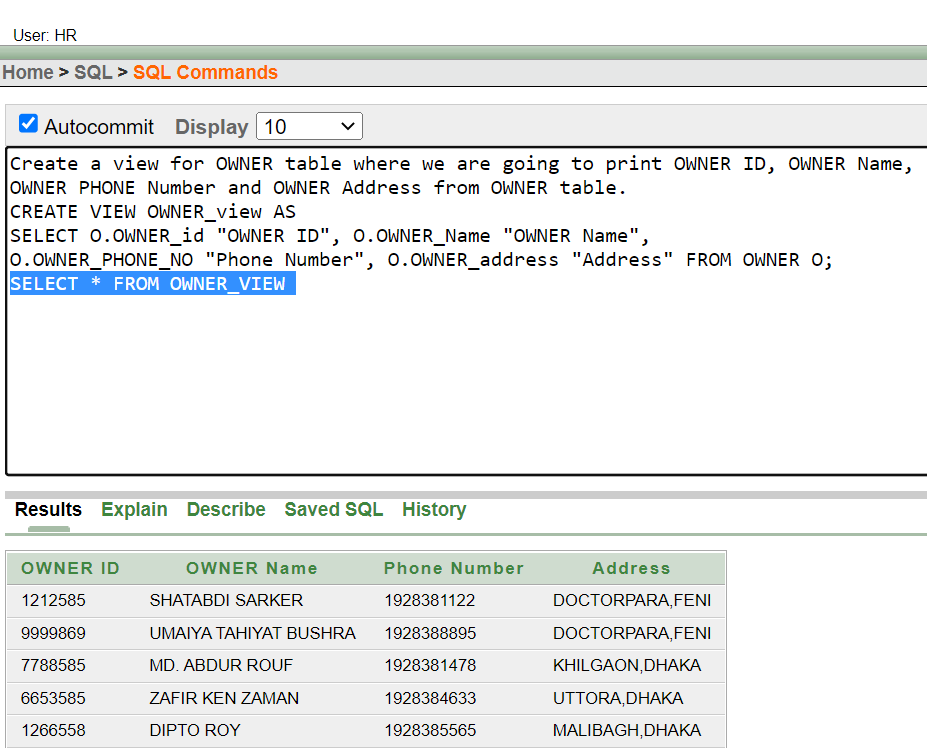
* Create a view for OWNER table where we are going to print OWNER ID,

OWNER Name,OWNER PHONE Number and OWNER Address from

OWNER table.

ANSWER: CREATE VIEW OWNER\_view AS SELECT O.OWNER\_id "OWNER ID", O.OWNER\_Name "OWNER Name",O.OWNER\_PHONE\_NO "Phone Number", O.OWNER\_address "Address" FROM OWNER O;

SELECT \* FROM OWNER\_VIEW;



**CONCLUSION AND FUTURE WORK**

THIS IS A VERY SMALL SCENARIO OF A VEHICLE CONTROL AND INFORMATION MANAGEMENT SYSTEM. THE MAIN LACKING THIS APPLICATION IS ITS FEW FEATURES. IN REALITY THIS MANAGEMENT SYSTEM IS VERY BIG AND ITS STORED HUGE AMOUNT OF DATA. BUT IT MIGHT BE HELPFUL FOR THEM WHO WANTS TO BUILD THIS TYPE OF MANAGEMENT SYSTEM. THEY CAN TAKE THE IDEA FROM THIS MANAGEMENT SYSTEM.