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REG No:- RA1811003010691

SEC:- D2

DATE:- 2/4/2021

DDL WORKSHEET-IX

1. Create a RET_EMP table (Retired employees) with the following fields:

ENAME Varchar2(15), HIREDATE Date, SAL Number(10,2).

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> CREATE TABLE RET_EMP(ENAME VARCHAR2(15),HIREDATE DATE,SAL NUMBER(10,2));
Table created.
```

2. Insert 6 records into the RET_EMP table. Also insert 3 similar records in EMP table.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select * from RET_EMP;

ENAME          HIREDATE          SAL
-----
SHIVANYA       16-SEP-80         35000
AJILESH        21-MAR-85         40000
THARUN         23-JAN-85         45500
JACOB          05-APR-80         39700
MARUTHI        27-SEP-85         32500
BALAJI         10-MAY-82         28500

6 rows selected.
```

3. List all the employee names that were employed by the company since its inception.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT ENAME FROM EMP UNION SELECT ENAME FROM RET_EMP;

ENAME
-----
AJILESH
Ajay
BALAJI
Devangi
Eshan
Harshal
Hemant
JACOB
Kunal
MARUTHI
Prachi
Ritvik
Riya
Roopu
SHIVANYA
Shreya
Shubham
THARUN
Utkarsh
Varun

20 rows selected.
```

4. List all the retired employees but still working as advisors in the company.

```

F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT ENAME FROM RET_EMP INTERSECT SELECT ENAME FROM EMP;

ENAME
-----
AJILESH
MARUTHI
THARUN

```

5. List all the employees who are currently working in the company.

```

F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT * from EMP;

EMPNO  ENAME      JOB              MGR HIREDATE          SAL
-----
1120  AJILESH    Advisor          12 21-MAR-85      40000
1121  THARUN     Advisor          12 23-JAN-85      45000
1122  MARUTHI    Advisor          12 27-SEP-85      32500
1689  Devangi    Intern           89 01-MAR-21       70000
1690  Roopu      Manager          90 03-OCT-20       80000
1691  Shubham    Owner            90 18-DEC-20       85000
1692  Varun      Worker           02-MAR-19        60000
1693  Eshan      Intern           90 02-JUN-19        65000
1694  Hemant     Worker           91 02-DEC-19        55000
1695  Riya       Manager          90 02-JAN-18       50000
1696  Ajay       Intern           21-JUL-18        45000
1697  Harshal    Manager          91 18-JUL-21       40000
1698  Ritvik     Intern           11-MAY-21       70000
1683  Prachi     Worker           83 12-FEB-17       67000
1682  Kunal      Manager          82 12-APR-17       73000
1679  Utkarsh    Intern           17-AUG-17        55000
1710  Shreya     Intern           79 18-OCT-17       75000

```

6. Create the following tables emp_house_loan and emp_car_loan with the constraints given and insert the values.

Emp_house_loan

Description	Field Name	Field type & size	Constraint
Employee number	EMPNO	Number(10)	Foreign key(EMP)
House loan	EMP_HL_EMI	Number(8)	

Emp_car_loan

Description	Field Name	Field type & size	Constraint
Employee number	EMPNO	Number(10)	Foreign key(EMP)
Car loan	EMP_CL_EMI	Number(8)	

Emp_house_loan records

```

Statement 79
CREATE TABLE EMP_CAR_LOAN( EMPNO NUMBER PRIMARY KEY,FOREIGN KEY(EMPNO) REFERENCES EMP(EMPNO),EMP_CL_EMI NUMBER(8))

Table created.

Statement 78
CREATE TABLE EMP_HOUSE_LOAN( EMPNO NUMBER PRIMARY KEY,FOREIGN KEY(EMPNO) REFERENCES EMP(EMPNO),EMP_HL_EMI NUMBER(8))

Table created.

```

Statement **111**

```
select * from EMP_HOUSE_LOAN
```

EMPNO	EMP_HL_EMI
1200	30000
1201	25000
1202	35000
1689	50000
1691	20000
1692	10000
1690	10000

Download CSV
7 rows selected.

Statement **110**

```
select * from EMP_CAR_LOAN
```

EMPNO	EMP_CL_EMI
1200	10000
1201	10000
1202	15000
1691	12000

Download CSV
4 rows selected.

7. List the employees who have availed at least one loan without duplication.

Statement **102**

```
SELECT ENAME FROM EMP WHERE EMPNO IN(SELECT EMPNO FROM EMP_HOUSE_LOAN UNION SELECT EMPNO FROM EMP_CAR_LOAN)
```

ENAME
Devangi
Roopu
Shubham
Varun
AJILESH
MARUTHI
THARUN

Download CSV
7 rows selected.

8. List the employees who have availed the loan with duplication.

Statement **103**




```
SELECT ENAME FROM EMP WHERE EMPNO IN(SELECT EMPNO FROM EMP_HOUSE_LOAN UNION ALL SELECT EMPNO FROM EMP_CAR_LOAN)
```

ENAME
Devangi
Roopu
Shubham
Varun
AJILESH
MARUTHI
THARUN

Download CSV
7 rows selected.

9. List the employees who have availed both the loans

Statement 104

```
SELECT ENAME FROM EMP WHERE EMPNO IN(SELECT EMPNO FROM EMP_HOUSE_LOAN INTERSECT SELECT EMPNO FROM EMP_CAR_LOAN)
```

ENAME
Shubham
AJILESH
MARUTHI
THARUN

[Download CSV](#)
4 rows selected.

10. List the employees who have availed only the house loan

Statement 104

```
SELECT ENAME FROM EMP WHERE EMPNO IN(SELECT EMPNO FROM EMP_HOUSE_LOAN INTERSECT SELECT EMPNO FROM EMP_CAR_LOAN)
```

ENAME
Shubham
AJILESH
MARUTHI
THARUN

[Download CSV](#)
4 rows selected.

11. List the employees who have availed only the car loan

Statement 106

```
SELECT ENAME FROM EMP WHERE EMPNO IN(SELECT EMPNO FROM EMP_CAR_LOAN MINUS SELECT EMPNO FROM EMP_HOUSE_LOAN)
```

no data found

12. Select the employees who have not availed the house loan.

Statement 107

```
SELECT ENAME FROM EMP WHERE EMPNO IN(SELECT EMPNO FROM EMP MINUS (SELECT EMPNO FROM EMP_CAR_LOAN UNION SELECT EMPNO FROM EMP_HOUSE_LOAN))
```

ENAME
Eshan
Hemant
Riya
Ajay
Harshal
Ritvik
Prachi
Kunal
Utkarsh
Shreya

[Download CSV](#)
10 rows selected.