**JEREMY PETERSON DUTOYA**

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**PMBA-8317-RHB APPLIED DATA MANAGEMENT FOR BUSINESS USERS**

**LAB 5**

1. Create the EMPLOYEE & DEPARTMENT table:

CREATE TABLE JP\_DEPARTMENT(

DEPTNO NUMBER (3) NOT NULL,

DEPTNAME VARCHAR2(35) NOT NULL,

PHONE CHAR(12),

CONSTRAINT JP\_DEPT\_PK PRIMARY KEY(DEPTNO)

);

CREATE TABLE JP\_EMPLOYEE(

EMPNO NUMBER(10) NOT NULL,

FIRSTNAME VARCHAR2(25),

LASTNAME VARCHAR2(25) NOT NULL,

DEPTNO NUMBER(3),

PHONE CHAR(12),

EMAIL VARCHAR2(100),

MGR\_ID NUMBER(10),

SALARY NUMBER(12),

CONSTRAINT JP\_EMPLOYEE\_PK PRIMARY KEY(EMPNO),

CONSTRAINT JP\_EMP\_DEPART\_FK FOREIGN KEY(DEPTNO) REFERENCES JP\_DEPARTMENT(DEPTNO)

);

ALTER TABLE JP\_EMPLOYEE

ADD CONSTRAINT JP\_EMP2EMP\_FK FOREIGN KEY (MGR\_ID) REFERENCES JP\_EMPLOYEE(EMPNO);

2. Insert data to EMPLOYEE & DEPARTMENT table

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DEPARTMENT DATA \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT INTO JP\_DEPARTMENT VALUES(10, 'Administration', '360-285-8100');

INSERT INTO JP\_DEPARTMENT VALUES(20, 'Legal', '360-285-8200');

INSERT INTO JP\_DEPARTMENT VALUES(30, 'Accounting', '360-285-8300');

INSERT INTO JP\_DEPARTMENT VALUES(40, 'Finance', '360-285-8400');

INSERT INTO JP\_DEPARTMENT VALUES(50, 'Human Resources', '360-285-8500');

INSERT INTO JP\_DEPARTMENT VALUES(60, 'English', '360-287-8600');

INSERT INTO JP\_DEPARTMENT VALUES(70,'Marketing', '360-287-8700');

INSERT INTO JP\_DEPARTMENT VALUES(80, 'InfoSystems', '360-287-8800');

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* EMPLOYEE DATA \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT INTO JP\_EMPLOYEE VALUES( 10, 'Ken', 'Numoto', 70, '360-287-8710', 'Ken.Numoto@WPC.com', null, 150000);

INSERT INTO JP\_EMPLOYEE VALUES( 11, 'James', 'Nestor', 80, null, '[James.Nestor@WPC.com](mailto:James.Nestor@WPC.com)', null, null);

INSERT INTO JP\_EMPLOYEE VALUES( 9, 'George', 'Jones', 60, '360-287-8620', '[George.Jones@WPC.com](mailto:George.Jones@WPC.com)', null, null);

INSERT INTO JP\_EMPLOYEE VALUES(1, 'Mary', 'Jacobs', 10, '360-285-8110', 'Mary.Jacobs@WPC.com',10, 50000);

INSERT INTO JP\_EMPLOYEE VALUES(6, 'Mary', 'Abernathy', 40, '360-285-8410', 'Mary.Abernathy@WPC.com', 10, 100000);

INSERT INTO JP\_EMPLOYEE VALUES(2, 'Rosalie', 'Jackson', 10, '360-285-8120', '[Rosalie.Jackson@WPC.com](mailto:Rosalie.Jackson@WPC.com)', 10,40000);

INSERT INTO JP\_EMPLOYEE VALUES(3, 'Richard', 'Bandalone', 20, '360-285-8210', '[Richard.Bandalone@WPC.com](mailto:Richard.Bandalone@WPC.com)', 10, 70000);

INSERT INTO JP\_EMPLOYEE VALUES(4, 'Tom', 'Caruthers', 30, '360-285-8310', 'Tom.Caruthers@WPC.com',6,600000 );

INSERT INTO JP\_EMPLOYEE VALUES( 5, 'Heather', 'Jones', 30, '360-285-8320', 'Heather.Jones@WPC.com',6, 30000);

INSERT INTO JP\_EMPLOYEE VALUES( 7, 'George', 'Smith', 50, '360-285-8510', 'George.Smith@WPC.com', 6, 55000);

INSERT INTO JP\_EMPLOYEE VALUES( 8, 'Tom', 'Jackson', 60, '360-287-8610', 'Tom.Jackson@WPC.com', 10, 75000);

INSERT INTO JP\_EMPLOYEE VALUES( 12, 'Rick', 'Brown', 80, '360-287-8820', 'Rick.Brown@WPC.com', 6, 35000);

3. Write an SQL statement to create a view named FinanceEmployeePhoneView that displays LastName as EmployeeLastName, FirstName as EmployeeFirstName, and Phone as EmployeePhone for employees who work in the Finance department.

CREATE VIEW JP\_FinanceEmployeePhoneView

AS SELECT E.LASTNAME AS EmployeeLastName, E.FIRSTNAME AS EmployeeFirstName, E.PHONE AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D

WHERE E.DEPTNO=D.DEPTNO AND D.DEPTNAME='Finance';

Test the view as:

SELECT \*

FROM JP\_FinanceEmployeePhoneView

ORDER BY EmployeeLastName;

→ View FINANCEEMPLOYEEPHONEVIEW created.

EMPLOYEELASTNAME EMPLOYEEFIRSTNAME EMPLOYEEPHONE

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Abernathy Mary 360-285-8410

4. Create and test a view called EmployeeDepartmentDataView that contains the employee name concatenated and formatted as LastName, FirstName in a field named EmployeeName, EMPLOYEE.Department, DEPARTMENT.OfficeNumber,DEPARTMENT.Phone as DepartmentPhone, and EMPLOYEE.Phone as EmployeePhone.

CREATE VIEW JP\_EmployeeDepartmentDataVIEW

AS SELECT RTRIM(E.LASTNAME)|| ', ' || RTRIM(E.FIRSTNAME) AS EmployeeName, D.DEPTNAME AS EmployeeDepartment, E.DEPTNO AS DepartmentOfficeNumber, D.PHONE AS DepartmentPhone, E.PHONE AS EmployeePhone

FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D

WHERE E.DEPTNO=D.DEPTNO

ORDER BY E.LASTNAME;

Test the view as:

SELECT \*  
 FROM JP\_EmployeeDepartmentDataView  
 ORDER BY EmployeeName;

→ View JP\_EMPLOYEEDEPARTMENTDATAVIEW created.

EMPLOYEENAME EMPLOYEEDEPARTMENT DEPARTMENTOFFICENUMBER DEPARTMENTPH EMPLOYEEPHONE

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Abernathy, Mary Finance 40 360-285-8400 360-285-8410

Bandalone, Richard Legal 20 360-285-8200 360-285-8210

Brown, Rick InfoSystems 80 360-287-8800 360-287-8820

Caruthers, Tom Accounting 30 360-285-8300 360-285-8310

Jackson, Rosalie Administration 10 360-285-8100 360-285-8120

Jackson, Tom English 60 360-287-8600 360-287-8610

Jacobs, Mary Administration 10 360-285-8100 360-285-8110

Jones, George English 60 360-287-8600 360-287-8620

Jones, Heather Accounting 30 360-285-8300 360-285-8320

Nestor, James InfoSystems 80 360-287-8800

Numoto, Ken Marketing 70 360-287-8700 360-287-8710

Smith, George Human Resources 50 360-285-8500 360-285-8510

12 rows selected.

5. Create and test a user-defined function named LastNameFirst that combines two parameters named FirstName and LastName into a concatenated name field formatted LastName, FirstName (including the comma and space).

CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(

FNAME VARCHAR2,

LNAME VARCHAR2)

RETURN VARCHAR2

IS FULLNAME VARCHAR2(40);

BEGIN

FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME);

RETURN FULLNAME;

END;

/

Test the function as:

SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName,

E.DEPTNO, D.DEPTNO,

D.Phone AS DepartmentPhone,

E.Phone AS EmployeePhone

FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D

WHERE E.DEPTNO=D.DEPTNO;

11 rows selected.

6. CREATE VIEW JP\_EmployeeDepartmentDataView2 AS

SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName,

E.DEPTNO,

D.Phone AS DepartmentPhone,

E.Phone AS EmployeePhone

FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D

WHERE E.DEPTNO=D.DEPTNO;

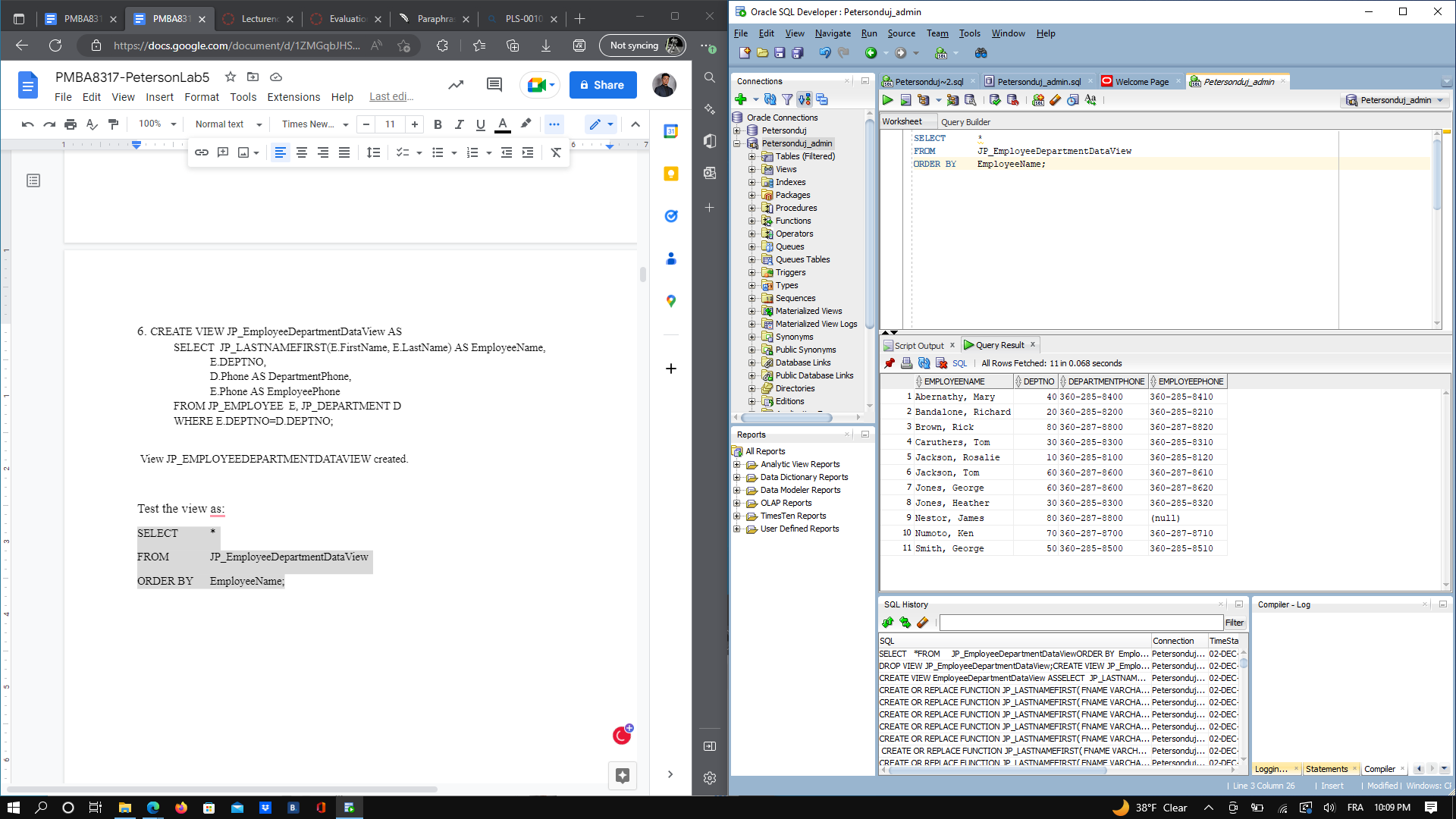
View JP\_EMPLOYEEDEPARTMENTDATAVIEW created.

Test the view as:

SELECT \*

FROM JP\_EmployeeDepartmentDataView

ORDER BY EmployeeName;



7. Create a stored procedure DELETE\_EMPLOYEE (employeenumber) which will delete employee record for the given employeenumber.

CREATE OR REPLACE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS

BEGIN

DELETE FROM JP\_EMPLOYEE

WHERE EMPNO = EMPLOYEENUMBER;

END;

/

Test the procedure as:

→ EXEC JP\_DELETE\_EMPLOYEE (1); PL/SQL procedure successfully completed.

Procedure JP\_DELETE\_EMPLOYEE compiled

SELECT EMPNO FROM JP\_EMPLOYEE;

EMPNO

----------

2

3

4

5

6

7

8

9

10

11

12

11 rows selected.

EMPLOYEE NUMBER 1 HAS BEEN SUCCESSFULLY DELETED FROM JP\_EMPLOYEE

PL/SQL procedure successfully completed.

8. Cleanup - drop all objects created in lab 4 and lab 5. (Tables, views, functions, and procedures)

a. drop views, functions, and procedures

b. For tables, delete data from child tables first, then delete from parent tables (i.e. you can use truncate instead of delete)

c. drop child table first, then drop parent table

1. DROP VIEW JP\_EmployeeDepartmentDataVIEW;

DROP VIEW JP\_FinanceEmployeePhoneVIEW;

DROP VIEW JP\_EmployeeDepartmentDataVIEW2;

DROP FUNCTION JP\_LastNameFirst;

DROP PROCEDURE JP\_DELETE\_EMPLOYEE;

View JP\_EMPLOYEEDEPARTMENTDATAVIEW dropped.

View JP\_FINANCEEMPLOYEEPHONEVIEW dropped.

View JP\_EMPLOYEEDEPARTMENTDATAVIEW2 dropped.

Function JP\_LASTNAMEFIRST dropped.

Procedure JP\_DELETE\_EMPLOYEE dropped.

1. DELETE FROM JP\_EMPLOYEE; 11 rows deleted.

DELETE FROM JP\_DEPARTMENT; 8 rows deleted.

1. DROP TABLE JP\_EMPLOYEE CASCADE CONSTRAINTS;

Table JP\_EMPLOYEE dropped.

DROP TABLE JP\_DEPARTMENT CASCADE CONSTRAINTS;

Table JP\_DEPARTMENT dropped.

SQL HISTORY:

| INSERT INTO JP\_EMPLOYEE VALUES( 12, 'Rick', 'Brown', 80, '360-287-8820', 'Rick.Brown@WPC.com', 6, 35000); | Petersonduj\_admin | 1669939058339 | SQL | 1 | 0.028 |
| --- | --- | --- | --- | --- | --- |
| INSERT INTO JP\_EMPLOYEE VALUES( 8, 'Tom', 'Jackson', 60, '360-287-8610', 'Tom.Jackson@WPC.com', 10, 75000); | Petersonduj\_admin | 1669938975812 | SQL | 1 | 0.011 |
| INSERT INTO JP\_EMPLOYEE VALUES( 7, 'George', 'Smith', 50, '360-285-8510', 'George.Smith@WPC.com', 6, 55000);; | Petersonduj\_admin | 1669938947704 | Script | 1 | 0.046 |
| INSERT INTO JP\_EMPLOYEE VALUES( 5, 'Heather', 'Jones', 30, '360-285-8320', 'Heather.Jones@WPC.com',6, 30000); | Petersonduj\_admin | 1669938934169 | SQL | 1 | 0.005 |
| INSERT INTO JP\_EMPLOYEE VALUES(4, 'Tom', 'Caruthers', 30, '360-285-8310', 'Tom.Caruthers@WPC.com',6,600000 ); | Petersonduj\_admin | 1669938921886 | SQL | 1 | 0.005 |
| INSERT INTO JP\_EMPLOYEE VALUES(3, 'Richard', 'Bandalone', 20, '360-285-8210', 'Richard.Bandalone@WPC.com', 10, 70000); | Petersonduj\_admin | 1669938909228 | SQL | 1 | 0.017 |
| INSERT INTO JP\_EMPLOYEE VALUES(2, 'Rosalie', 'Jackson', 10, '360-285-8120', 'Rosalie.Jackson@WPC.com', 10,40000); | Petersonduj\_admin | 1669938895518 | SQL | 1 | 0.003 |
| INSERT INTO JP\_EMPLOYEE VALUES(6, 'Mary', 'Abernathy', 40, '360-285-8410', 'Mary.Abernathy@WPC.com', 10, 100000); | Petersonduj\_admin | 1669938883698 | SQL | 1 | 0.004 |
| INSERT INTO JP\_EMPLOYEE VALUES(1, 'Mary', 'Jacobs', 10, '360-285-8110', 'Mary.Jacobs@WPC.com',10, 50000); | Petersonduj\_admin | 1669938872191 | SQL | 1 | 0.004 |
| INSERT INTO JP\_DEPARTMENT VALUES(20, 'Legal', '360-285-8200'); | Petersonduj\_admin | 1669938842944 | SQL | 2 | 0.02 |
| INSERT INTO JP\_DEPARTMENT VALUES(10, 'Administration', '360-285-8100'); | Petersonduj\_admin | 1669938830068 | SQL | 2 | 0.017 |
| INSERT INTO JP\_EMPLOYEE VALUES( 9, 'George', 'Jones', 60, '360-287-8620', 'George.Jones@WPC.com', null, null); | Petersonduj\_admin | 1669938768781 | SQL | 1 | 0.008 |
| INSERT INTO JP\_EMPLOYEE VALUES( 11, 'James', 'Nestor', 80, null, 'James.Nestor@WPC.com', null, null); | Petersonduj\_admin | 1669938753257 | SQL | 1 | 0.004 |
| INSERT INTO JP\_EMPLOYEE VALUES( 10, 'Ken', 'Numoto', 70, '360-287-8710', 'Ken.Numoto@WPC.com', null, 150000); | Petersonduj\_admin | 1669938740810 | SQL | 1 | 0.008 |
| INSERT INTO JP\_DEPARTMENT VALUES(80, 'InfoSystems', '360-287-8800'); | Petersonduj\_admin | 1669938725899 | SQL | 1 | 0.005 |
| INSERT INTO JP\_DEPARTMENT VALUES(70,'Marketing', '360-287-8700'); | Petersonduj\_admin | 1669938716511 | SQL | 1 | 0.017 |
| INSERT INTO JP\_DEPARTMENT VALUES(60, 'English', '360-287-8600'); | Petersonduj\_admin | 1669938705509 | SQL | 1 | 0.007 |
| INSERT INTO JP\_DEPARTMENT VALUES(50, 'Human Resources', '360-285-8500'); | Petersonduj\_admin | 1669938685470 | SQL | 1 | 0.006 |
| INSERT INTO JP\_DEPARTMENT VALUES(40, 'Finance', '360-285-8400'); | Petersonduj\_admin | 1669938599536 | SQL | 1 | 0.004 |
| INSERT INTO JP\_DEPARTMENT VALUES(30, 'Accounting', '360-285-8300'); | Petersonduj\_admin | 1669938585039 | SQL | 1 | 0.099 |
| CREATE TABLE JP\_EMPLOYEE( EMPNO NUMBER (10) NOT NULL, FIRSTNAME VARCHAR2(25), LASTNAME VARCHAR2(25) NOT NULL, DEPTNO NUMBER(3), PHONE CHAR(12), EMAIL VARCHAR2(100), MGR\_ID NUMBER(10), SALARY NUMBER (12), CONSTRAINT JP\_EMPLOYEE\_PK PRIMARY KEY(EMPNO), CONSTRAINT JP\_EMP\_DEPART\_FK FOREIGN KEY(DEPTNO) REFERENCES JP\_DEPARTMENT(DEPTNO) ); ALTER TABLE JP\_EMPLOYEE ADD CONSTRAINT JP\_EMP2EMP\_FK FOREIGN KEY (MGR\_ID) REFERENCES JP\_EMPLOYEE(EMPNO); | Petersonduj\_admin | 1669925299712 | Script | 1 | 1.076 |
| CREATE TABLE JP\_DEPARTMENT( DEPTNO NUMBER(3) NOT NULL, DEPTNAME VARCHAR2(35) NOT NULL, PHONE CHAR(12), CONSTRAINT JP\_DEPT\_PK PRIMARY KEY(DEPTNO) ); | Petersonduj\_admin | 1669925281155 | SQL | 1 | 18.069 |
| DROP TABLE JP\_EMPLOYEE CASCADE CONSTRAINTS; | Petersonduj\_admin | 1669925175931 | SQL | 1 | 22.767 |

| SELECT \* FROM JP\_EmployeeDepartmentDataView ORDER BY EmployeeName; | Petersonduj\_admin | 1669944896001 | SQL | 1 | 0.015 |
| --- | --- | --- | --- | --- | --- |
| CREATE VIEW JP\_EmployeeDepartmentDataVIEW AS SELECT RTRIM(E.LASTNAME)|| ', ' || RTRIM(E.FIRSTNAME) AS EmployeeName, D.DEPTNAME AS EmployeeDepartment, E.DEPTNO AS DepartmentOfficeNumber, D.PHONE AS DepartmentPhone, E.PHONE AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO ORDER BY E.LASTNAME; | Petersonduj\_admin | 1669944867799 | SQL | 1 | 0.014 |
| CREATE VIEW JP\_FinanceEmployeePhoneView AS SELECT E.LASTNAME AS EmployeeLastName, E.FIRSTNAME AS EmployeeFirstName, E.PHONE AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO AND D.DEPTNAME='Finance'; | Petersonduj\_admin | 1669944809723 | SQL | 1 | 0.015 |
| drop view EmployeeDepartmentDataView; | Petersonduj\_admin | 1669944798317 | SQL | 1 | 0.026 |
| drop view FinanceEmployeePhoneView; | Petersonduj\_admin | 1669944779328 | SQL | 1 | 0.026 |
| DROP FUNCTION LASTNAMEFIRST; CREATE FUNCTION LastNameFirst( varFirstName varchar2(25), varLastName varChar2(25) ) RETURN Varchar(60) DETERMINISTIC BEGIN DECLARE varFullName Varchar2(52); SET varFullName = CONCAT(varFirstName, ', ', varLastName); RETURN varFullName; END | Petersonduj\_admin | 1669944453781 | Script | 1 | 0.071 |
| DROP FUNCTION LASTNAMEFIRST; CREATE FUNCTION LastNameFirst( @varFirstName varchar2(25), @varLastName varChar2(25) ) RETURNS Varchar(60) DETERMINISTIC BEGIN DECLARE varFullName Varchar2(52); SET varFullName = CONCAT(varFirstName, ', ', varLastName); RETURN varFullName; END | Petersonduj\_admin | 1669943512037 | Script | 1 | 0.05 |
| CREATE FUNCTION LastNameFirst( varFirstName varchar2(25), varLastName varChar2(25) ) RETURNS Varchar(60) DETERMINISTIC BEGIN DECLARE varFullName Varchar2(52); SET varFullName = CONCAT(varFirstName, ', ', varLastName); RETURN varFullName; END | Petersonduj\_admin | 1669943469352 | SQL | 1 | 0.062 |
| DROP FUNCTION FIRSTNAMEFIRST; | Petersonduj\_admin | 1669943443818 | SQL | 1 | 0.22 |

| CREATE OR REPLACE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END; / SELECT EMPNO FROM JP\_EMPLOYEE; EXEC JP\_DELETE\_EMPLOYEE (1); | Petersonduj\_admin | 1669951288502 | Script | 1 | 0.118 |
| --- | --- | --- | --- | --- | --- |
| SELECT EMPNO FROM JP\_EMPLOYEE; | Petersonduj\_admin | 1669949369630 | SQL | 2 | 0.019 |
| BEGIN JP\_DELETE\_EMPLOYEE (1); END;; | Petersonduj\_admin | 1669949359771 | SQL | 1 | 0.01 |
| CREATE OR REPLACE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END;/ | Petersonduj\_admin | 1669949263528 | SQL | 1 | 0.046 |
| CREATE OR REPLACE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END/ | Petersonduj\_admin | 1669949212499 | SQL | 2 | 0.007 |
| CREATE OR REPLACE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END / DROP PROCEDURE JP\_DELETE\_EMPLOYEE; | Petersonduj\_admin | 1669949184805 | Script | 1 | 0.054 |
| DROP PROCEDURE JP\_DELETE\_EMPLOYEE; CREATE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END / | Petersonduj\_admin | 1669949032823 | Script | 2 | 0.06 |
| DROP PROCEDURE JP\_DELETE\_EMPLOYEE; CREATE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END | Petersonduj\_admin | 1669948990043 | Script | 1 | 0.049 |
| SELECT EMPNO from JP\_EMPLOYEE; | Petersonduj\_admin | 1669948731237 | SQL | 2 | 0.002 |

| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE FULLNAME VARCHAR2; SET FULLNAME := CONCAT(LNAME, ', ', FNAME); RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669956028449 | SQL | 1 | 0.015 |
| --- | --- | --- | --- | --- | --- |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE FULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END; / SELECT JP\_LastNameFirst(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1669955926520 | Script | 1 | 0.089 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE FULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FUL; END;/ | Petersonduj\_admin | 1669955645429 | SQL | 1 | 0.035 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE FULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; SELECT FULLNAME; END;/ | Petersonduj\_admin | 1669955627429 | SQL | 1 | 0.04 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE FULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669955600300 | SQL | 1 | 0.039 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE FULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669955187538 | SQL | 3 | 0.045 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME END/ | Petersonduj\_admin | 1669954840692 | SQL | 1 | 0.016 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME END;/ | Petersonduj\_admin | 1669954828344 | SQL | 1 | 0.014 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669954540151 | SQL | 4 | 0.004 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC IS BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669954438384 | SQL | 1 | 0.035 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669954312094 | SQL | 1 | 0.015 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC; IS BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669954304446 | SQL | 1 | 0.006 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC; BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669954295394 | SQL | 2 | 0.012 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) IS RETURN VARCHAR2 DETERMINISTIC; BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME := LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669954287272 | SQL | 1 | 0.005 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC; BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME = LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669953994562 | SQL | 1 | 0.003 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 DETERMINISTIC; BEGIN; DECLARE VARFULLNAME VARCHAR2; SET FULLNAME = LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669953989711 | SQL | 1 | 0.097 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2; BEGIN; DECLARE VARFULLNAME VARCHAR2; SET FULLNAME = LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669953952934 | SQL | 1 | 0.045 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2; BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME = LNAME|| ', '|| FNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669953944701 | SQL | 3 | 0.037 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2) RETURN VARCHAR2; BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME=VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669953544055 | SQL | 1 | 0.004 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2) RETURN VARCHAR2; BEGIN DECLARE VARFULLNAME VARCHAR2; SET FULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN FULLNAME; END;/ | Petersonduj\_admin | 1669953520736 | SQL | 1 | 0.016 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2; BEGIN --DECLARE VARFULLNAME VARCHAR2; SET FULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669953501980 | SQL | 1 | 0.011 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2) RETURN VARCHAR2 IS VARFULLNAME VARCHAR2; BEGIN --DECLARE VARFULLNAME VARCHAR2; SET VARFULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669953296670 | SQL | 1 | 0.014 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2) RETURN VARCHAR2 IS VARFULLNAME VARCHAR2 BEGIN --DECLARE VARFULLNAME VARCHAR2; SET VARFULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669953286080 | SQL | 1 | 0.006 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST(VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2) BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669953091844 | SQL | 1 | 0.017 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2 ) RETURN VARCHAR2 DETERMINISTIC BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669953050417 | SQL | 2 | 0.482 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( VARFIRSTNAME VARCHAR2(25), VARLASTNAME VARCHAR2(25) ) RETURN VARCHAR2(60) DETERMINISTIC BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = VARLASTNAME|| ', '|| VARFIRSTNAME; RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669952242177 | SQL | 1 | 0.049 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2 ) RETURN VARCHAR2 DETERMINISTIC; BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = CONCAT(VARLASTNAME, ', ', VARFIRSTNAME); RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669951592957 | SQL | 1 | 0.054 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2 ) RETURN VARCHAR2 DETERMINISTIC BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = CONCAT(VARLASTNAME, ', ', VARFIRSTNAME); RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669951581819 | SQL | 1 | 0.041 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( VARFIRSTNAME VARCHAR2, VARLASTNAME VARCHAR2 ) RETURN VARCHAR2(60) DETERMINISTIC BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = CONCAT(VARLASTNAME, ', ', VARFIRSTNAME); RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669951568188 | SQL | 1 | 0.027 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( VARFIRSTNAME VARCHAR2(25), VARLASTNAME VARCHAR2(25) ) RETURN VARCHAR2(60) DETERMINISTIC BEGIN DECLARE VARFULLNAME VARCHAR2(52); SET VARFULLNAME = CONCAT(VARLASTNAME, ', ', VARFIRSTNAME); RETURN VARFULLNAME; END;/ | Petersonduj\_admin | 1669951545029 | SQL | 1 | 0.053 |
| CREATE OR REPLACE PROCEDURE JP\_DELETE\_EMPLOYEE(EMPLOYEENUMBER NUMBER) AS BEGIN DELETE FROM JP\_EMPLOYEE WHERE EMPNO = EMPLOYEENUMBER; END; / SELECT EMPNO FROM JP\_EMPLOYEE; EXEC JP\_DELETE\_EMPLOYEE (1); | Petersonduj\_admin | 1669951288502 | Script | 1 | 0.118 |

| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(40); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; CREATE VIEW EmployeeDepartmentDataView AS SELECT LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E JOIN JP\_DEPARTMENT D ON E.DEPTNO = D.DEPTNO; | Petersonduj\_admin | 1670036045915 | SQL | 3 | 0.027 |
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| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(40); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; / CREATE VIEW EmployeeDepartmentDataView AS SELECT LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E JOIN JP\_DEPARTMENT D ON E.DEPTNO = D.DEPTNO; | Petersonduj\_admin | 1670036031331 | Script | 1 | 0.078 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(40); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; / SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670035779103 | Script | 1 | 0.115 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(40); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END;/ | Petersonduj\_admin | 1670035775011 | SQL | 1 | 0.03 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(25); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; / SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670035754652 | Script | 1 | 0.122 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; / SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670035696046 | Script | 1 | 0.119 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670035009306 | SQL | 1 | 0.044 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; | Petersonduj\_admin | 1670035001230 | SQL | 1 | 0.034 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; SELECT JP\_LASTNAMEFIRST('SYLVAIN', 'RICHARD'); | Petersonduj\_admin | 1670034541051 | SQL | 1 | 0.055 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName FROM JP\_EMPLOYEE; | Petersonduj\_admin | 1670034268252 | SQL | 1 | 0.015 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670034223729 | SQL | 1 | 0.055 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; SELECT JP\_LastNameFirst(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670034186492 | SQL | 1 | 0.051 |
| CREATE OR REPLACE FUNCTION JP\_LASTNAMEFIRST( FNAME VARCHAR2, LNAME VARCHAR2) RETURN VARCHAR2 IS FULLNAME VARCHAR2(60); BEGIN FULLNAME := RTRIM(LNAME)|| ', '|| RTRIM(FNAME); RETURN FULLNAME; END; SELECT JP\_LastNameFirst(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670034077474 | SQL | 1 | 0.069 |

| CREATE VIEW EmployeeDepartmentDataView AS SELECT JP\_LASTNAMEFIRST(E.FirstName, E.LastName) AS EmployeeName, E.DEPTNO, D.Phone AS DepartmentPhone, E.Phone AS EmployeePhone FROM JP\_EMPLOYEE E, JP\_DEPARTMENT D WHERE E.DEPTNO=D.DEPTNO; | Petersonduj\_admin | 1670036746645 | SQL | 1 | 0.011 |
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| DROP TABLE JP\_DEPARTMENT CASCADE CONSTRAINTS; | Petersonduj\_admin | 1670037701547 | SQL | 1 | 0.035 |
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| DESC JP\_EMPLOYEE; | Petersonduj\_admin | 1670037689771 | SQL | 2 | 0.41 |
| DROP TABLE JP\_EMPLOYEE CASCADE CONSTRAINTS; | Petersonduj\_admin | 1670037646531 | SQL | 1 | 0.031 |
| DESC JP\_EMPLOYEE; DELETE TABLE JP\_EMPLOYEE CASCADE CONSTRAINTS; | Petersonduj\_admin | 1670037617368 | Script | 1 | 0.181 |
| DELETE FROM JP\_DEPARTMENT; | Petersonduj\_admin | 1670037517484 | SQL | 1 | 0.004 |
| DELETE FROM JP\_EMPLOYEE; | Petersonduj\_admin | 1670037456094 | SQL | 1 | 0.003 |
| SELECT \* FROM JP\_EMPLOYEE; | Petersonduj\_admin | 1670037378386 | SQL | 1 | 0.008 |
| DROP PROCEDURE JP\_DELETE\_EMPLOYEE; | Petersonduj\_admin | 1670037286578 | SQL | 1 | 0.034 |
| DROP FUNCTION JP\_LastNameFirst; | Petersonduj\_admin | 1670037282643 | SQL | 1 | 0.01 |
| DROP VIEW JP\_FinanceEmployeePhoneVIEW; | Petersonduj\_admin | 1670037160395 | SQL | 1 | 0.004 |
| DROP VIEW JP\_EmployeeDepartmentDataVIEW; | Petersonduj\_admin | 1670037156180 | SQL | 1 | 0.005 |
| DROP VIEW EmployeeDepartmentDataVIEW; | Petersonduj\_admin | 1670037134250 | SQL | 1 | 0.006 |