Truncate table <table\_name>

Immediate;

清空表格remove all rows from an existing table created in exercise 1 without deleting the table itself.

Create table tablename（

Column name datatype，

Column b datatype）；

Alter table tablename

Add column colname set data type dt；

Alter table tablename

Rename column pet to animal;

Insert into tablename values(

(col1, col2, col3)

);



Df.idxmax

Df.at[82, ‘sodium’]

sns.boxplot()

What is a view?

Can include specified cols from multiple tables and existing views

Create view empinfo(emp\_id, first, last, address, jobid, mid, depid) as

select emp\_id, fname, last, managerid, depid

from employees

where managerid = ‘30002

Create or replace view view\_name

Select col1, col2

From table\_name

Where condition

Drop view

Acid

Begin

Update bankaccounts

Set balance = balance -2

Where

Commit

Rollback

Create procedure transaction\_james

Language sql

Modifies sql data

Begin

Declare sqlcode integer default 0;

Declare retcode integer default 0;

**DECLARE** CONTINUE **HANDLER** **FOR** SQLEXCEPTION

Set retcode = sqlcode;

Update bankaccounts

Set balance = balance - 1200;

Where accountname = ‘James’;

Update bankacccounts

Set balance = balance + 1200;

Where accountname = ‘shoeshop’;

Update shoeshop

Set stock = stock - 4

Where products = ‘Trainers’;

Update bankaccounts

Set balance = balance -150;

Where accountname = ‘James’;

If retcode < 0 then

Rollback work;

Else

Commit work;

End if;

End @

**CREATE** **PROCEDURE** TRANSACTION\_ROSE -- Name of this stored procedure routine

**LANGUAGE** **SQL** -- Language used in this routine

MODIFIES **SQL** **DATA** -- This routine will only write/modify data in the table

**BEGIN**

**DECLARE** **SQLCODE** INTEGER **DEFAULT** 0; -- Host variable SQLCODE declared and assigned 0

**DECLARE** retcode INTEGER **DEFAULT** 0; -- Local variable retcode with declared and assigned 0

**DECLARE** CONTINUE **HANDLER** **FOR** SQLEXCEPTION -- Handler tell the routine what to do when an error or warning occurs

**SET** retcode = **SQLCODE**; -- Value of SQLCODE assigned to local variable retcode

**UPDATE** BankAccounts

**SET** Balance = Balance-200

**WHERE** AccountName = 'Rose';

**UPDATE** BankAccounts

**SET** Balance = Balance+200

**WHERE** AccountName = 'Shoe Shop';

**UPDATE** ShoeShop

**SET** Stock = Stock-1

**WHERE** Product = 'Boots';

**UPDATE** BankAccounts

**SET** Balance = Balance-300

**WHERE** AccountName = 'Rose';

IF retcode < 0 THEN -- SQLCODE returns negative value for error, zero for success, positive value for warning

**ROLLBACK** **WORK**;

ELSE

**COMMIT** **WORK**;

**END** **IF**;

**END**

@

**CALL** TRANSACTION\_ROSE; -- Caller query

**SELECT** \* **FROM** BankAccounts;

**SELECT** \* **FROM** ShoeShop;

*Re-write the previous query but have the result set include all the employees but department names for only the employees who were born before 1980.*

**select** E.EMP\_ID,E.L\_NAME,E.DEP\_ID,D.DEP\_NAME

**from** EMPLOYEES **AS** E

**LEFT** **OUTER** **JOIN** DEPARTMENTS **AS** D **ON** E.DEP\_ID=D.DEPT\_ID\_DEP

**AND** YEAR(E.B\_DATE) < 1980;

Select \* from employees where job\_ID in (select job\_ident from jobs where job\_title = ‘Jr.Designer’)

{

"db": "BLUDB",

"dsn": "DATABASE=BLUDB;HOSTNAME=dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net;PORT=50000;PROTOCOL=TCPIP;UID=jjh03649;PWD=mszn2nmq21@z8sxm;",

"host": "dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net",

"hostname": "dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net",

"https\_url": "https://dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net",

"jdbcurl": "jdbc:db2://dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net:50000/BLUDB",

"parameters": {

"role\_crn": "crn:v1:bluemix:public:iam::::serviceRole:Manager"

},

"password": "mszn2nmq21@z8sxm",

"port": 50000,

"ssldsn": "DATABASE=BLUDB;HOSTNAME=dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net;PORT=50001;PROTOCOL=TCPIP;UID=jjh03649;PWD=mszn2nmq21@z8sxm;Security=SSL;",

"ssljdbcurl": "jdbc:db2://dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net:50001/BLUDB:sslConnection=true;",

"uri": "db2://jjh03649:mszn2nmq21%40z8sxm@dashdb-txn-sbox-yp-dal09-08.services.dal.bluemix.net:50000/BLUDB",

"username": "jjh03649"

}