1. **Insert and rollback in sec0502\_departments**

INSERT INTO sec0502\_departments (dept\_code, department\_name)   
VALUES ('IT', 'INFORMATION TECHNOLOGY')

1 row(s) inserted. 0.01 seconds  
COMMIT

Statement processed. 0.01 seconds  
INSERT INTO sec0502\_departments (dept\_code, department\_name)   
VALUES ('HR', 'HUMAN RESOURCES')

1 row(s) inserted. 0.00 seconds  
ROLLBACK

Statement processed. 0.00 seconds  
SELECT \* FROM sec0502\_departments

|  |  |
| --- | --- |
| **DEPT\_CODE** | **DEPARTMENT\_NAME** |
| ACT | ACCOUNTING |
| EXE | EXECUTIVE |
| MKT | MARKETING |
| PER | PERSONNEL |
| SAL | SALES |
| SHP | SHIPPING |
| IT | INFORMATION TECHNOLOGY |
| IT | INFORMATION TECHNOLOGY |

8 rows selected. 0.01 seconds

1. **Transferring Bob Wilkins' checking account to savings and committing**

INSERT INTO sec0503\_savings\_accounts (s\_account\_id, customer, balance)   
SELECT c\_account\_id, customer, balance   
FROM sec0503\_checking\_accounts   
WHERE customer = 'BOB WILKINS'

1 row(s) inserted. 0.01 seconds  
DELETE FROM sec0503\_checking\_accounts   
WHERE customer = 'BOB WILKINS'

1 row(s) deleted. 0.01 seconds  
COMMIT

Statement processed. 0.00 seconds

1. **Transferring $20,000 from savings to checking for Fred Boyd and rolling back**

UPDATE sec0503\_savings\_accounts   
SET balance = balance - 20000   
WHERE customer = 'FRED BOYD'

1 row(s) updated. 0.01 seconds  
UPDATE sec0503\_checking\_accounts   
SET balance = balance + 20000   
WHERE customer = 'FRED BOYD'

0 row(s) updated. 0.00 seconds  
SELECT \* FROM sec0503\_savings\_accounts

|  |  |  |
| --- | --- | --- |
| **S\_ACCOUNT\_ID** | **CUSTOMER** | **BALANCE** |
| 2741 | BOB WILKINS | 1567.35 |
| 5926 | FRED BOYD | -4357.67 |
| 6197 | AMY JOHNSON | -4719.75 |
| 5926 | VALERIE SHAW | 35159.64 |

4 rows selected. 0.01 seconds  
 SELECT \* FROM sec0503\_checking\_accounts

|  |  |  |
| --- | --- | --- |
| **C\_ACCOUNT\_ID** | **CUSTOMER** | **BALANCE** |
| 3852 | AMY JOHNSON | 5357.26 |
| 8954 | JUDY SPENCER | 6296.54 |

2 rows selected. 0.00 seconds  
 ROLLBACK

Statement processed. 0.00 seconds

1. **Creating a foods view, modifying, and displaying changes**  
   SELECT \* FROM sec0505\_foods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUPPLIER\_ID** | **PRODUCT\_CODE** | **MENU\_ITEM** | **DESCRIPTION** | **PRICE** | **PRICE\_INCREASE** |
| ASP | FS | 1 | FRESH SALAD | 2 | .25 |
| ASP | SP | 2 | SOUP OF THE DAY | 1.5 | - |
| ASP | SW | 3 | SANDWICH | 3.5 | .4 |
| CBC | GS | 4 | GRILLED STEAK | 6 | .7 |
| CBC | SW | 5 | HAMBURGER | 2.5 | .3 |
| FRV | BR | 6 | BROCCOLI | 1 | .05 |
| FRV | FF | 7 | FRENCH FRIES | 1.5 | - |
| JBR | AS | 8 | SODA | 1.25 | .25 |
| JBR | VR | 9 | COFFEE | .85 | .15 |
| VSB | AS | 10 | DESSERT | 3 | .5 |

10 rows selected. 0.02 seconds  
CREATE VIEW sec0505\_foods\_view AS   
SELECT \* FROM sec0505\_foods

View created. 0.02 seconds  
INSERT INTO sec0505\_foods\_view (supplier\_id, product\_code, menu\_item, description, price, price\_increase)   
VALUES ('ASP', 'C1', 15, 'CABBAGE', 2.50, 0.10)

1 row(s) inserted. 0.00 seconds  
UPDATE sec0505\_foods\_view   
SET menu\_item = 20, description = 'CARROTS'   
WHERE description = 'BROCCOLI'

1 row(s) updated. 0.00 seconds  
DELETE FROM sec0505\_foods\_view   
WHERE description = 'SODA'

1 row(s) deleted. 0.00 seconds  
SELECT \* FROM sec0505\_foods\_view

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUPPLIER\_ID** | **PRODUCT\_CODE** | **MENU\_ITEM** | **DESCRIPTION** | **PRICE** | **PRICE\_INCREASE** |
| ASP | FS | 1 | FRESH SALAD | 2 | .25 |
| ASP | SP | 2 | SOUP OF THE DAY | 1.5 | - |
| ASP | SW | 3 | SANDWICH | 3.5 | .4 |
| CBC | GS | 4 | GRILLED STEAK | 6 | .7 |
| CBC | SW | 5 | HAMBURGER | 2.5 | .3 |
| FRV | BR | 20 | CARROTS | 1 | .05 |
| FRV | FF | 7 | FRENCH FRIES | 1.5 | - |
| JBR | VR | 9 | COFFEE | .85 | .15 |
| VSB | AS | 10 | DESSERT | 3 | .5 |

9 rows selected. 0.01 seconds  
SELECT \* FROM sec0505\_foods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUPPLIER\_ID** | **PRODUCT\_CODE** | **MENU\_ITEM** | **DESCRIPTION** | **PRICE** | **PRICE\_INCREASE** |
| ASP | FS | 1 | FRESH SALAD | 2 | .25 |
| ASP | SP | 2 | SOUP OF THE DAY | 1.5 | - |
| ASP | SW | 3 | SANDWICH | 3.5 | .4 |
| CBC | GS | 4 | GRILLED STEAK | 6 | .7 |
| CBC | SW | 5 | HAMBURGER | 2.5 | .3 |
| FRV | BR | 20 | CARROTS | 1 | .05 |
| FRV | FF | 7 | FRENCH FRIES | 1.5 | - |
| JBR | VR | 9 | COFFEE | .85 | .15 |
| VSB | AS | 10 | DESSERT | 3 | .5 |

9 rows selected. 0.00 seconds

1. **Listing all tables owned by the user**

SELECT TABLE\_NAME   
FROM USER\_TABLES

|  |
| --- |
| **TABLE\_NAME** |
| ALPHABET |
| CHATLOG |
| COMMUNITYRULES |
| EXPECTED\_BUILT\_OBJECTS |
| FRIENDSLIST |
| INFRACTIONS |
| L\_CONSTANTS |
| L\_DEPARTMENTS |
| L\_EMPLOYEES |
| L\_FOODS |
| L\_LUNCHES |
| L\_LUNCH\_ITEMS |
| L\_SUPPLIERS |
| NUMBERS\_0\_TO\_9 |
| ORDERS |
| PRODUCTLIST |
| REVIEWS |
| SEC0207 |
| SEC0218 |
| SEC0219 |
| SEC0306\_CONSTANTS |
| SEC0306\_PRICE\_CONSTANTS |
| SEC0313\_CASE\_SENSITIVITY |
| SEC0401\_EMPLOYEES |
| SEC0401\_SALES\_STAFF |
| SEC0409\_EMPLOYEES |
| SEC0409\_FOODS |
| SEC0410A\_FOODS |
| SEC0410\_DATA1 |
| SEC0410\_DATA2 |
| SEC0410\_FOODS |
| SEC0411\_EMPLOYEES |
| SEC0411\_FOODS |
| SEC0412\_EMPLOYEES |
| SEC0412\_FOODS |
| SEC0413\_FOODS |
| SEC0413\_SUPPLIERS |
| SEC0414\_FOODS |
| SEC0414\_SUPPLIERS |
| SEC0415\_DEPARTMENTS |
| SEC0415\_EMPLOYEES |
| SEC0502\_DEPARTMENTS |
| SEC0503\_CHECKING\_ACCOUNTS |
| SEC0503\_SAVINGS\_ACCOUNTS |
| SEC0505B\_EMPLOYEES |
| SEC0505\_EMPLOYEES |
| SEC0505\_FOODS |
| SEC0506\_EMPLOYEES |
| SEC0506\_FOODS |
| SEC0601\_FOODS |
| SEC0603\_TEXT\_TYPES |
| SEC0607\_FOODS |
| SEC0609\_EMPLOYEES |
| SEC0609\_FOODS |
| SEC0610B\_FOODS |
| SEC0610\_FOODS |
| SEC0611\_DEPARTMENTS |
| SEC0611\_FOODS |
| SEC0612\_EMPLOYEES |
| SEC0612\_FOODS |
| SEC0613\_EMPLOYEES |
| SEC0613\_FOODS |
| SEC0614\_PHONE\_LIST |
| SEC0615A |
| SEC0615B |
| SEC0616\_DUPLICATE\_ROWS |
| SEC0617A |
| SEC0617\_DUPLICATE\_ROWS |
| SEC0703\_EMPLOYEES |
| SEC0703\_LUNCHES |
| SEC0705\_EMPLOYEES |
| SEC0707\_LUNCHES |
| SEC0707\_SEQUENCE |
| SEC0708\_DEPARTMENTS |
| SEC0708\_SUPPLIERS |
| SEC0709\_DEPARTMENTS |
| SEC0709\_EMPLOYEES |
| SEC0802\_EMPLOYEES |
| SEC0802\_FOODS |
| SEC0803B\_EMPLOYEES |
| SEC0803\_DEPARTMENTS |
| SEC0803\_EMPLOYEES |
| SEC0804\_EMPLOYEES |
| SEC0804\_LUNCHES |
| SEC0805\_DEPARTMENTS |
| SEC0805\_EMPLOYEES |
| SEC0808\_CLIENTS |
| SEC0808\_DEPARTMENTS |
| SEC0808\_EMPLOYEES |
| SEC0808\_STATES |
| SEC0809\_CLIENTS |
| SEC0809\_DEPARTMENTS |
| SEC0809\_EMPLOYEES |
| SEC0809\_STATES |
| SEC0810\_CLIENTS |
| SEC0810\_DEPARTMENTS |
| SEC0810\_EMPLOYEES |
| SEC0810\_STATES |
| SEC0811\_CLIENTS |
| SEC0811\_DEPARTMENTS |
| SEC0811\_EMPLOYEES |
| SEC0811\_STATES |
| SEC0812\_CLIENTS |
| SEC0812\_DEPARTMENTS |
| SEC0812\_EMPLOYEES |
| SEC0812\_STATES |
| SEC0813\_CLIENTS |
| SEC0813\_DEPARTMENTS |
| SEC0813\_EMPLOYEES |
| SEC0813\_STATES |
| SEC0815\_CLIENTS |
| SEC0815\_DEPARTMENTS |
| SEC0815\_EMPLOYEES |
| SEC0815\_STATES |
| SEC0817\_CLIENTS |
| SEC0817\_DEPARTMENTS |
| SEC0817\_EMPLOYEES |
| SEC0817\_STATES |
| SEC0818\_CLIENTS |
| SEC0818\_DEPARTMENTS |
| SEC0818\_EMPLOYEES |
| SEC0818\_STATES |
| SEC0819\_CLIENTS |
| SEC0819\_DEPARTMENTS |
| SEC0819\_EMPLOYEES |
| SEC0819\_STATES |
| SEC0820\_CLIENTS |
| SEC0820\_STATES |
| SEC0821\_FOODS |
| SEC0821\_LUNCH\_ITEMS |
| SEC0822\_EMPLOYEES |
| SEC0823A\_DEPARTMENTS |
| SEC0823B\_DEPARTMENTS |
| SEC0908\_TEST\_NUMBERS |
| SEC0911\_FULL\_NAME |
| SEC0911\_NAMES |
| SEC0912\_PHONE\_NUMBERS |
| SEC1003 |
| SEC1004 |
| SEC1103 |
| SEC1105 |
| SEC1106 |
| SEC1107 |
| SEC1111 |
| SEC1112\_SHIPPING |
| SEC1202 |
| SEC1204 |
| SEC1207 |
| SEC1210 |
| SEC1211 |
| SEC1303\_COLORS |
| SEC1303\_FRUITS |
| SEC1304\_COLORS |
| SEC1304\_FRUITS |
| SEC1305\_COLORS |
| SEC1305\_FRUITS |
| SEC1306\_COLORS |
| SEC1306\_FRUITS |
| SEC1307\_COLORS |
| SEC1307\_FRUITS |
| SEC1308\_COLORS |
| SEC1308\_FRUITS |
| SEC1309\_COLORS |
| SEC1309\_FRUITS |
| SEC1309\_TABLE1 |
| SEC1309\_TABLE2 |
| SEC1310\_COLORS |
| SEC1310\_FRUITS |
| SEC1310\_TABLE1 |
| SEC1310\_TABLE2 |
| SEC1311\_DICTIONARY |
| SEC1311\_GRADE\_RANGES |
| SEC1311\_STUDENT\_SCORES |
| SEC1311\_WORDS |
| SEC1312\_BIGGER\_NUMBERS |
| SEC1312\_SMALLER\_NUMBERS |
| SEC1313\_COLORS |
| SEC1313\_FRUITS |
| SEC1313\_WORDS1 |
| SEC1313\_WORDS2 |
| SEC1314\_COLORS |
| SEC1314\_FRUITS |
| SEC1405\_EMPLOYEES |
| SEC1407\_DEPARTMENTS |
| SEC1407\_FIRST |
| SEC1407\_SECOND |
| SEC1411\_NUMBERS |
| SEC1412A |
| SEC1412B |
| SEC1412\_DEPARTMENTS |
| SEC1413\_COLORS |
| SEC1413\_FRUITS |
| SEC1414\_FIVES |
| SEC1414\_THREES |
| SEC1414\_TWOS |
| SEC1501\_FIRST |
| SEC1501\_SECOND |
| SEC1502\_FIRST |
| SEC1502\_SECOND |
| SEC1504\_FIRST |
| SEC1504\_SECOND |
| SEC1505\_FIRST |
| SEC1505\_SECOND |
| SEC1506\_WITH\_LONG\_COLUMNS |
| SEC1506\_WITH\_SHORT\_COLUMNS |
| SEC1507\_FIRST |
| SEC1507\_SECOND |
| SEC1507\_WITH\_LONG\_COLUMNS |
| SEC1507\_WITH\_SHORT\_COLUMNS |
| SEC1508\_LESS\_COLUMNS |
| SEC1508\_MORE\_COLUMNS |
| SEC1509A\_LUNCHES |
| SEC1509B\_LUNCHES |
| SEC1509\_FOODS |
| SEC1510\_FIRST |
| SEC1510\_SECOND |
| SEC1512\_FINANCES |
| SEC1515\_FIRST |
| SEC1515\_SECOND |
| SEC1516\_FIRST |
| SEC1516\_SECOND |
| SEC1601\_COLUMNS\_1\_TO\_2 |
| SEC1601\_COLUMNS\_3\_TO\_5 |
| SEC1603\_COLORS |
| SEC1603\_FRUITS |
| SEC1606\_CAR\_TYPES |
| SEC1606\_COLORS |
| SEC1609 |
| SEC1611\_EVENTS |
| SEC1611\_PRIME\_NUMBERS |
| SEC1613\_CAR\_TYPES |
| SEC1613\_COLORS |
| SEC1614\_CAR\_TYPES |
| SEC1614\_COLORS |
| SEC1614\_NUMBER\_OF\_DOORS |
| SEC1615\_CAR\_TYPES |
| SEC1615\_COLORS |
| SEC1615\_NUMBER\_OF\_DOORS |
| SEC1618\_CAR\_TYPES |
| SEC1618\_COLORS |
| SEC1618\_NUMBER\_OF\_DOORS |
| SEC1619 |
| SEC1804\_FINANCES |
| SEC1816A\_EMPLOYEES |
| SEC1816B\_EMPLOYEES |
| SEC1816\_CHANGES |
| SEC1817\_FIRST |
| SEC1817\_SECOND |
| SECURITYQUESTION |
| THREES |
| TWOS |
| USERBASE |
| USERLIBRARY |
| USERPROFILE |
| USERSUPPORT |
| WISHLIST |

256 rows selected. 0.14 seconds

1. **Listing all views owned by the user**

SELECT VIEW\_NAME   
FROM USER\_VIEWS

|  |
| --- |
| **VIEW\_NAME** |
| ACTUAL\_BUILT\_OBJECTS\_VIEW |
| ACTUAL\_CONSTRAINTS\_VIEW |
| ACTUAL\_DATABASE\_OBJECTS\_VIEW |
| NUMBERS\_0\_TO\_99 |
| NUMBERS\_0\_TO\_99999 |
| NUMBERS\_1\_TO\_1000 |
| SEC0402\_EMPLOYEES\_VIEW |
| SEC0402\_SALES\_STAFF\_VIEW |
| SEC0406\_SALES\_STAFF\_VIEW |
| SEC0407\_SALES\_STAFF\_VIEW1 |
| SEC0407\_SALES\_STAFF\_VIEW2 |
| SEC0505\_FOODS\_VIEW |
| SEC0506A\_SHIPPING\_DEPT\_VIEW |
| SEC0506B\_SHIPPING\_DEPT\_VIEW |
| SEC0513\_SHIPPING\_DEPT\_VIEW |
| VIEW\_ACTIVE\_TICKETS |
| VIEW\_SECURITYQUESTIONS |

17 rows selected. 0.02 seconds

1. **Listing all column names of L\_EMPLOYEES**

SELECT COLUMN\_NAME   
FROM USER\_TAB\_COLUMNS   
WHERE TABLE\_NAME = 'L\_EMPLOYEES'   
ORDER BY COLUMN\_ID

|  |
| --- |
| **COLUMN\_NAME** |
| EMPLOYEE\_ID |
| FIRST\_NAME |
| LAST\_NAME |
| DEPT\_CODE |
| HIRE\_DATE |
| CREDIT\_LIMIT |
| PHONE\_NUMBER |
| MANAGER\_ID |

8 rows selected. 0.19 seconds

1. Finding the primary key of L\_EMPLOYEES  
   SELECT cols.column\_name   
   FROM all\_constraints cons   
   JOIN all\_cons\_columns cols   
   ON cons.constraint\_name = cols.constraint\_name   
   WHERE cons.constraint\_type = 'P'   
   AND cons.table\_name = 'L\_EMPLOYEES'

|  |
| --- |
| **COLUMN\_NAME** |
| EMPLOYEE\_ID |

Statement processed. 4.47 seconds