Database Management Systems
18CSC303J
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CSE_SWE L2

Exp 4 - Advanced SELECT Commands

Aim:

To implement advanced Select commands.

Commands:

EXISTS – Used in combination with a subquery.

SELECT from WHERE EXISTS (SELECT from condition);

CASE – Used to find a value by passing over conditions whenever any condition satisfies the statement.

SELECT , CASE [expression] WHEN condition1 then value1 from ;

FETCH – Used to fetch the next row in the table.

SELECT from FETCH FIRST 3 ROWS ONLY

INTERSECT – Used to show distinct elements in two records in the table.

SELECT from WHERE condition INTERSECT SELECT from WHERE condition;

MINUS – Used to show a unique element from the 1st table.

SELECT from WHERE condition MINUS SELECT from WHERE condition;

UNION – Used to combine two or more records in the table.

SELECT from WHERE condition UNION SELECT from WHERE condition;

Select C:\Users\Susarla Abhilash\Desktop\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

```
SQL> select * from store_info where exists (select * from geo where geo.store = store_info.store and store_info.sales <300);

STORE               SALES TAX_DATE
--------------- ---------- ---------
prada                 111 12-JAN-12
polo                  222 10-FEB-13

SQL> select * from store_info where exists (select * from geo where geo.store = store_info.store and store_info.sales =222);

STORE               SALES TAX_DATE
--------------- ---------- ---------
polo                  222 10-FEB-13

SQL> select store, case store when 'prada' then sales*2 when 'dior' then sales*3 else sales end "new-sales", tax_date from store_info;

STORE           new-sales TAX_DATE
--------------- ---------- ---------
prada                 222 12-JAN-12
polo                  222 10-FEB-13
zara                  333 13-JAN-14
CK                    444 11-MAR-13
Gucci                 555 12-JAN-11
dior                 1998 15-MAR-15

6 rows selected.
```

```
6 rows selected.

SQL> create sequence store_id minvalue 1 start with 1 increment by 1 cache 15;

Sequence created.

SQL> alter table store_info add storeid number(5);

Table altered.

SQL> select * from store_info;

STORE               SALES TAX_DATE     STOREID
--------------- ---------- --------- ---------
prada                 111 12-JAN-12
polo                  222 10-FEB-13
zara                  333 13-JAN-14
CK                    444 11-MAR-13
Gucci                 555 12-JAN-11
dior                  666 15-MAR-15

6 rows selected.
```

```
SQL> alter table store_info add storeid number(5);

Table altered.

SQL> select * from store_info;

STORE                 SALES TAX_DATE    STOREID
--------------- ---------- -------- ----------
prada                   111 12-JAN-12
polo                    222 10-FEB-13
zara                    333 13-JAN-14
CK                      444 11-MAR-13
Gucci                   555 12-JAN-11
dior                    666 15-MAR-15

6 rows selected.

SQL> insert into storeinfo (store,sales,tax_date,storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd')' store_id.nextval);
```

```
ORA-01756: quoted string not properly terminated

SQL> insert into storeinfo (store,sales,tax_date,storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd'), store_id.nextval);
insert into storeinfo (store,sales,tax_date,storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd'), store_id.nextval)
                *
ERROR at line 1:
ORA-00942: table or view does not exist

SQL> insert into store_info (store, sales, tax_date, storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd'), store_id.nextval);

1 row created.

SQL> select * from store_info;

STORE                 SALES TAX_DATE    STOREID
--------------- ---------- -------- ----------
prada                   111 12-JAN-12
polo                    222 10-FEB-13
zara                    333 13-JAN-14
CK                      444 11-MAR-13
Gucci                   555 12-JAN-11
dior                    666 15-MAR-15
aishani                1700 26-FEB-00            1

7 rows selected.
```

```
SQL> alter table store_info add storeid number(5);

Table altered.

SQL> select * from store_info;

STORE                 SALES TAX_DATE    STOREID
--------------- ---------- -------- ----------
prada                   111 12-JAN-12
polo                    222 10-FEB-13
zara                    333 13-JAN-14
CK                      444 11-MAR-13
Gucci                   555 12-JAN-11
dior                    666 15-MAR-15

6 rows selected.

SQL> insert into storeinfo (store,sales,tax_date,storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd')' store_id.nextval);
ERROR:
ORA-01756: quoted string not properly terminated


SQL> insert into storeinfo (store,sales,tax_date,storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd'), store_id.nextval);
insert into storeinfo (store,sales,tax_date,storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd'), store_id.nextval)
                *
```

```
SQL> insert into store_info (store, sales, tax_date, storeid) values ('aishani', 1700, to_date('1900-02-26', 'yyyy-mm-dd'), store_id.nextval);

1 row created.

SQL> select * from store_info;

STORE              SALES TAX_DATE   STOREID
--------------- ---------- --------- ----------
prada                111 12-JAN-12
polo                 222 10-FEB-13
zara                 333 13-JAN-14
CK                   444 11-MAR-13
Gucci                555 12-JAN-11
dior                 666 15-MAR-15
aishani             1700 26-FEB-00           1

7 rows selected.

SQL> spool off
```

RESULT: Thus, the Select advance commands have been executed successfully.