--Create View

CREATE VIEW empvu80

AS SELECT employee\_id, last\_name, salary FROM employees

WHERE department\_id = 80;

CREATE VIEW salvu50

AS SELECT employee\_id ID\_NUMBER, last\_name NAME, salary\*12 ANN\_SALARY

FROM employees

WHERE department\_id = 50;

Select \* from salvu50;

--Modify View

CREATE OR REPLACE VIEW empvu80

(id\_number, name, sal, department\_id)

AS SELECT employee\_id, first\_name || ' ' || last\_name, salary, department\_id

FROM employees

WHERE department\_id = 80;

--Create Complex View

CREATE VIEW dept\_sum\_vu

(name, minsal, maxsal, avgsal) as select

d.department\_name, MIN(e.salary), MAX(e.salary),AVG(e.salary) from

employees e, departments d where e.department\_id = d.department\_id

GROUP BY d.department\_name;

--Denying DML Operations on View

CREATE OR REPLACE VIEW empvu10

(employee\_number, employee\_name, job\_title) AS SELECT employee\_id, last\_name, job\_id

FROM employees

WHERE department\_id = 10 WITH READ ONLY;

DROP VIEW empvu80;

--Create Sequence

CREATE SEQUENCE dept\_deptid\_seq

INCREMENT BY 10

START WITH 120

MAXVALUE 9999 NOCACHE

NOCYCLE;

--View Sequence

SELECT sequence\_name, min\_value, max\_value, increment\_by, last\_number

FROM user\_sequences;

--Insert values with sequence

INSERT INTO departments(department\_id,

department\_name, location\_id)

values (dept\_deptid\_seq.NEXTVAL, 'Support', 2500);

--See current value of seqeunce

SELECT dept\_deptid\_seq.CURRVAL FROM dual;

--Modify Sequence

ALTER SEQUENCE dept\_deptid\_seq

INCREMENT BY 20

MAXVALUE 999999 NOCACHE NOCYCLE;

--Dele Sequence

DROP SEQUENCE dept\_deptid\_seq;

--Index

CREATE INDEX emp\_last\_name\_idx

ON employees(last\_name);

--See Index

select ic.index\_name, ic.column\_name, ic.column\_position col\_pos,ix.uniqueness

from user\_indexes ix, user\_ind\_columns ic

where ic.index\_name = ix.index\_name

AND ic.table\_name = 'EMPLOYEES';

--Drop Index

DROP INDEX upper\_last\_name\_idx;

--SYNONYM

CREATE SYNONYM d\_sum

FOR dept\_sum\_vu;

DROP SYNONYM d\_sum;