

Exp15

OTHER DATABASE OBJECTS

-- PROGRAM 1

-- Create a sequence for DEPT table primary key

CREATE SEQUENCE DEPT_ID_SEQ

START WITH 200

INCREMENT BY 10

MAXVALUE 1000

NOCACHE

NOCYCLE;

-- PROGRAM 2

-- Display details about all sequences

SELECT

SEQUENCE_NAME,

MAX_VALUE,

INCREMENT_BY,

LAST_NUMBER

FROM USER_SEQUENCES;

-- PROGRAM 3

-- Insert rows into DEPT table using the sequence

-- (Save this code in file: lab12_3.sql)

INSERT INTO DEPT (DEPT_ID, DEPT_NAME)

VALUES (DEPT_ID_SEQ.NEXTVAL, 'Education');

INSERT INTO DEPT (DEPT_ID, DEPT_NAME)

VALUES (DEPT_ID_SEQ.NEXTVAL, 'Administration');

-- Confirm insertion

SELECT * FROM DEPT;

-- PROGRAM 4

-- Create a non-unique index on the foreign key column (DEPT_ID) in EMP table

CREATE INDEX EMP_DEPTID_IDX
ON EMP(DEPT_ID);

-- PROGRAM 5

-- Display all indexes and uniqueness for the EMP table

SELECT
 INDEX_NAME,
 TABLE_NAME,
 UNIQUENESS
FROM USER_INDEXES
WHERE TABLE_NAME = 'EMP';