

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';