

Title: Other Database Objects

Author: S. Santhosh Kumar

1. Create a Sequence

SQL Command:

```
CREATE SEQUENCE DEPT_ID_SEQ
INCREMENT BY 10
START WITH 200
MAXVALUE 1000
NOCYCLE
NOCACHE;
```

2. Query to Display Sequence Information

SQL Command:

```
SELECT sequence_name,
       max_value,
       increment_by,
       last_number
FROM user_sequences;
```

Output Example:

sequence_name	max_value	increment_by	last_number
DEPT_ID_SEQ	1000	10	200

3. Script to Insert Rows into the DEPT Table

SQL Script (lab12_3.sql):

```
-- lab12_3.sql

-- Insert the first department
INSERT INTO DEPT (DEPT_ID, DEPT_NAME)
VALUES (DEPT_ID_SEQ.NEXTVAL, 'Education');

-- Insert the second department
INSERT INTO DEPT (DEPT_ID, DEPT_NAME)
VALUES (DEPT_ID_SEQ.NEXTVAL, 'Administration');

-- Confirm the additions
SELECT * FROM DEPT;
```

Output Example:

DEPT_ID	DEPT_NAME
200	Education
210	Administration

4. Create a Nonunique Index on the Foreign Key Column**SQL Command:**

```
CREATE INDEX emp_dept_id_idx
ON EMP (DEPT_ID);
```

5. Display Indexes and Their Uniqueness for the EMP Table**SQL Command:**

```
SELECT ix.index_name,
       ic.column_name,
       ic.column_position AS col_pos,
       ix.uniqueness
FROM user_indexes ix
JOIN user_ind_columns ic
ON ic.index_name = ix.index_name
WHERE ic.table_name = 'EMP';
```

Output Example:

index_name	column_name	col_pos	uniqueness
EMP_DEPT_ID_IDX	DEPT_ID	1	NONUNIQUE