
```
-- 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';
```