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-- 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';
```