



**Course Name: DBMS Lab**

**Course Code: CSEG2146**

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## Experiment 12:

**Title:** To understand the concepts of Sequence.

**Objective:** Students will be able to implement the concept of sequence.

1. Create a sequence by name EMPID\_SEQ starting with value 100 with an interval of 1.

```
1 CREATE SEQUENCE EMPID_SEQ
2 START WITH 100
3 INCREMENT BY 1;
```

2. Write a SQL command for finding the current and the next status of EMPID\_SEQ.

```
1 SELECT EMPID_SEQ.CURRVAL, EMPID_SEQ.NEXTVAL FROM DUAL;
```

CURRVAL	NEXTVAL
120	120
1 rows returned in 0.02 seconds <a href="#">Download</a>	

3. Change the Cache value of the sequence EMPID\_SEQ to 20 and maxvalue to 1000.

```
1 ALTER SEQUENCE EMPID_SEQ
2 CACHE 20
3 MAXVALUE 1000;
```

4. Insert values in employees table using sequences for employee\_id column.

```
CREATE TABLE employees(
employee_id INT PRIMARY KEY,
employee_name VARCHAR(50),
department VARCHAR(30));
```

```
INSERT INTO employees (employee_id, employee_name)
VALUES (EMPID_SEQ.NEXTVAL, 'John Doe');
```

**Results**

**Explain**

**Describe**

**Saved SQL**

**History**

1 row(s) inserted.

5. Drop sequence EMPID\_SEQ.

```
1 DROP SEQUENCE EMPID_SEQ;
```

**Results**

**Explain**

**Describe**

**Saved SQL**

**History**

Sequence dropped.

6. Create a sequence called REVERSE to generate numbers in the descending order from 10000 to 1000 with a decrement of 5.

```
CREATE SEQUENCE REVERSE_SEQ
START WITH 1000
INCREMENT BY -5
MAXVALUE 1000;
```

**Results**

**Explain**

**Describe**

**Saved SQL**

**History**

Sequence created.