University of Petroleum

&

Energy Studies

SCHOOL OF COMPUTER SCIENCE

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BATCH: 1

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Semester: 3

Experiment 12: To understand the concepts of Sequence.

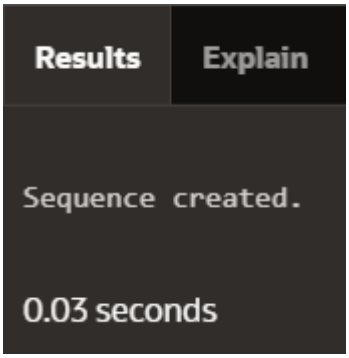
Objective: Students will be able to implement the concept of sequence.

1. **Create a sequence by name EMPID_SEQ starting with value 100 with an interval of 1.**

   INPUT:

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

   OUTPUT:



2. **Write a SQL command for finding the current and the next status of EMPID_SEQ.**

   INPUT:

```
1   SELECT EMPID_SEQ.NEXTVAL AS Next_Value FROM dual;
```

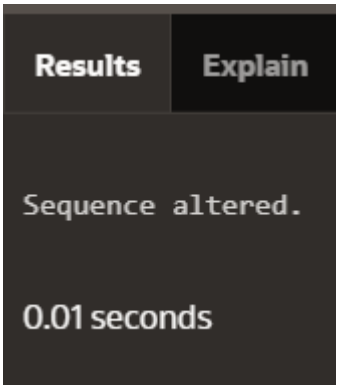
   OUTPUT:

3. **Change the Cache value of the sequence EMPID_SEQ to 20 and maxvalue to 1000.**

INPUT:

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

OUTPUT:

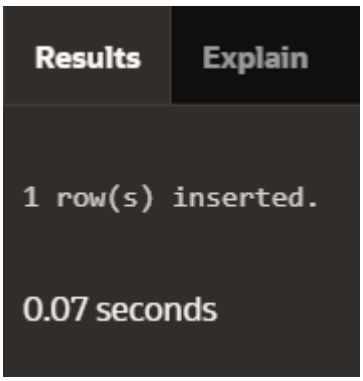


4. **Insert values in employees table using sequences for employee_id column.**

INPUT:

```
1   INSERT INTO employees (employee_id, name, department, salary)
2   VALUES (EMPID_SEQ.NEXTVAL, 'Alice Johnson', 'IT', 70000);
```

OUTPUT:

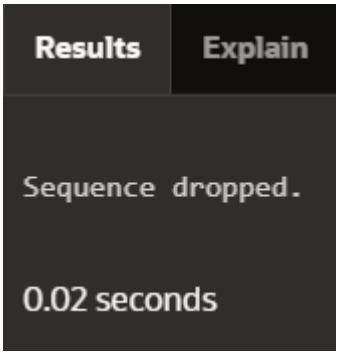


5. **Drop sequence EMPID_SEQ.**

INPUT:

```
1    DROP SEQUENCE EMPID_SEQ;
```

OUTPUT:



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

INPUT:

```
1    CREATE SEQUENCE REVERSE
2    START WITH 10000
3    INCREMENT BY -5
4    MINVALUE 1000
5    MAXVALUE 10000;
```

OUTPUT: