

Experiment 1

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Batch: 49

Q1: Create a sequence by name EMPID_SEQ starting with value 100 with an interval of 1

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

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	LAST_NUMBER
EMPID_SEQ	1	1000	1	120

1 rows returned in 0.02 seconds [Download](#)

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Q2: Write a SQL command for finding the current and the next status of EMPID_SEQ.

```
SELECT EMPID_SEQ.CURRVAL AS current_value, EMPID_SEQ.NEXTVAL AS next_value
FROM DUAL;
```

CURRENT_VALUE	NEXT_VALUE
100	100

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Q3:

```
ALTER SEQUENCE EMPID_SEQ
CACHE 20
MAXVALUE 1000;
```

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	LAST_NUMBER	CACHE_SIZE
EMPID_SEQ	1	1000	1	120	20

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Q4: Insert values in employees table using sequences for employee_id column

```
drop table employees cascade constraints
```

```
create table employees (
    employee_id int,
    first_name varchar(20),
    last_name varchar(20),
    hire_date date
)
INSERT INTO employees (employee_id, first_name, last_name, hire_date)
VALUES (EMPID_SEQ.NEXTVAL, 'Yonder', 'Alice', TO_DATE('2023-01-01', 'YYYY-MM-DD'));
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE
120	Yonder	Alice	01/01/2023

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Q5: Drop sequence EMPID_SEQ

```
DROP SEQUENCE EMPID_SEQ;
describe EMPID_SEQ
```

Results	Explain	Describe	Saved SQL	History
ORA-00900: invalid SQL statement				
0.00 seconds				

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Q6:

```
CREATE SEQUENCE REVERSE
    START WITH 1000
    INCREMENT BY -5
    MAXVALUE 1000
    MINVALUE 0
    CYCLE;
```

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	LAST_NUMBER
REVERSE	1000	10000	-5	9900

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Q7: Apply REVERSE with a custom-made Inventory table.

```
CREATE TABLE inventory (
    quantity NUMBER,
    item_name VARCHAR2(100),
);
```

```
INSERT INTO inventory
VALUES(REVERSE.NEXTVAL, 'Bots');
```

Results

Explain


Describe


Saved SQL


History

QUANTITY		ITEM_NAME
9995		Boots
9990		Bots

2 rows returned in 0.01 seconds [Download](#)

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