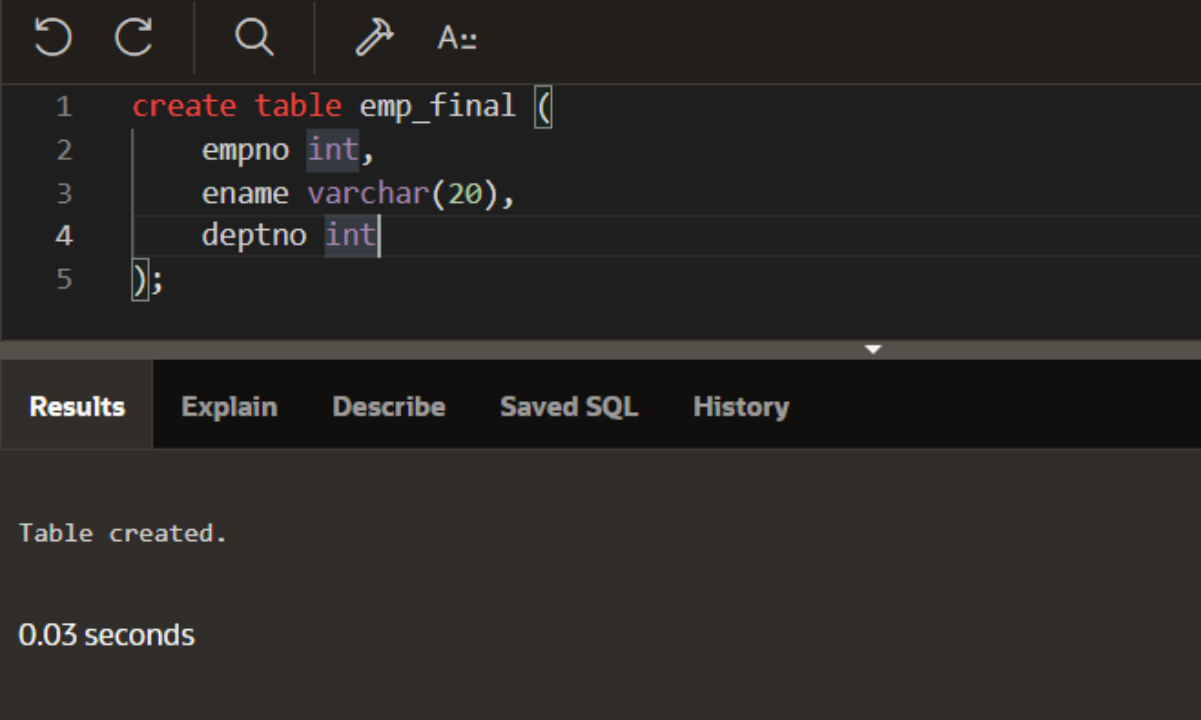**VIEWS:**

1. Creating a table
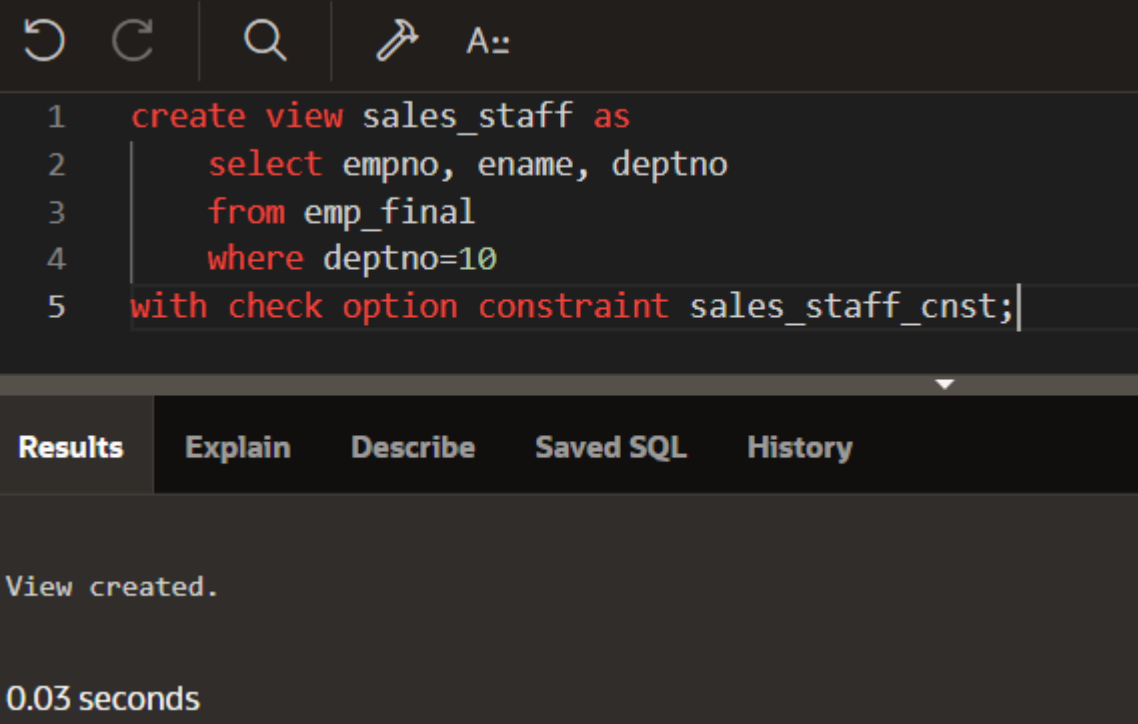
```
1   create table emp_final (
2       empno int,
3       ename varchar(20),
4       deptno int
5   );
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

2. Creating a Select View

```
1   create view sales_staff as
2       select empno, ename, deptno
3       from emp_final
4       where deptno=10
5   with check option constraint sales_staff_cnst;
```

Results   Explain   Describe   Saved SQL   History

View created.

0.03 seconds

```
1    insert into sales_staff values (7584, 'Venkadesh', 10);
```

Results   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.03 seconds

```
1    insert into sales_staff values (7591, 'Sabarish', 30);
```

Results   Explain   Describe   Saved SQL   History

ORA-01402: view WITH CHECK OPTION where-clause violation
ORA-06512: at "SYS.DBMS_SQL", line 1721

1. insert into sales_staff values (7591, 'Sabarish', 30);

0.01 seconds

```
1   select * from sales_staff;
```

Results | Explain | Describe | Saved SQL | History

EMPNO	ENAME	DEPTNO
7584	Venkadesh	10

1 rows returned in 0.01 seconds   Download

3. Creating a Join View

```
1   create view division1_staff as
2       select ename, empno, deptname
3       from emp_final, dept
4       where emp_final.deptno = dept.deptno;
```

Results | Explain | Describe | Saved SQL | History

View created.

0.02 seconds

```
1   select * from division1_staff;
```
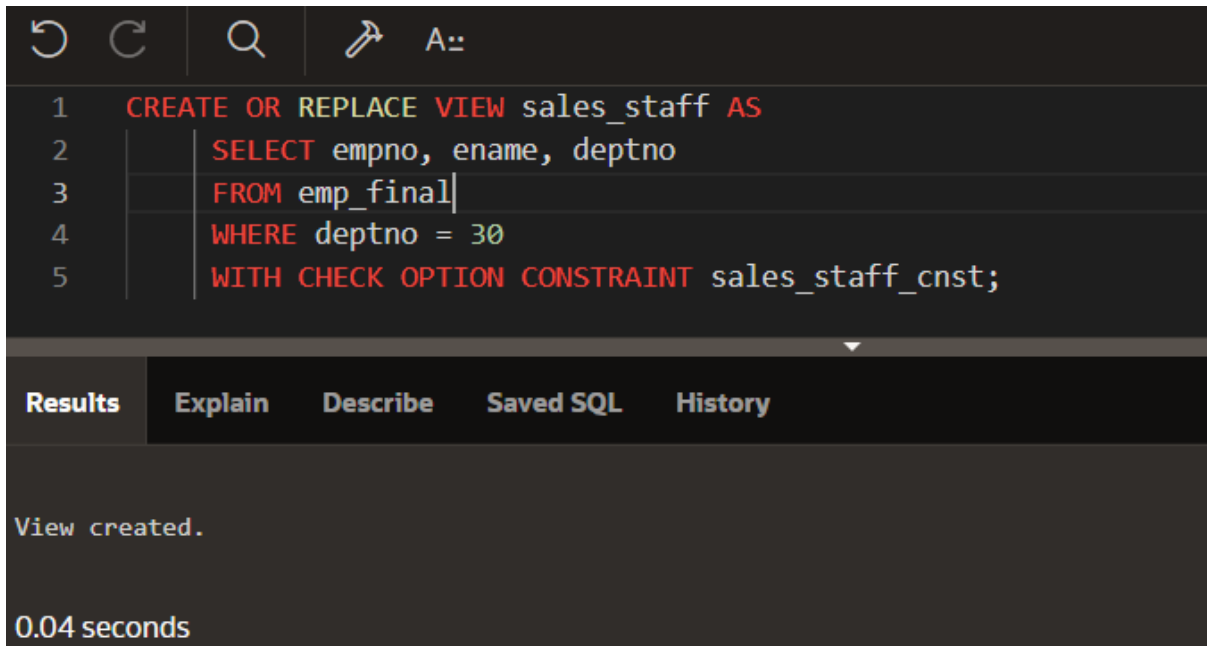
Results | Explain | Describe | Saved SQL | History

ENAME	EMPNO	DEPTNAME
Venkadesh	7584	Engineering

1 rows returned in 0.02 seconds   Download

4. Replacing a View
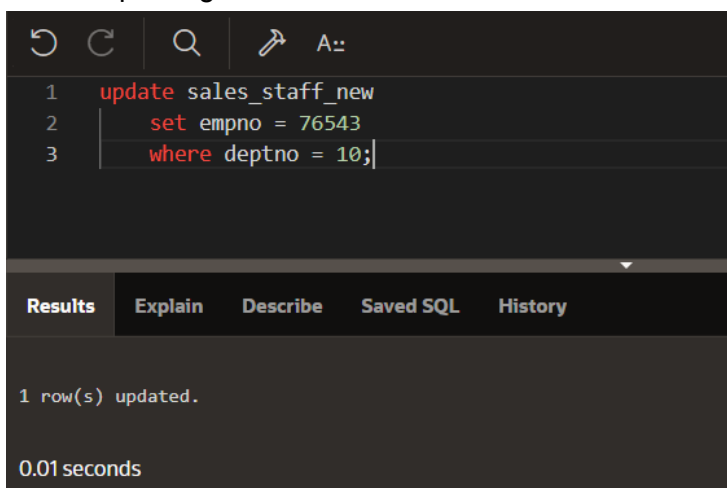
```
1    CREATE OR REPLACE VIEW sales_staff AS
2        SELECT empno, ename, deptno
3        FROM emp_final
4        WHERE deptno = 30
5        WITH CHECK OPTION CONSTRAINT sales_staff_cnst;
```

Results   Explain   Describe   Saved SQL   History

View created.

0.04 seconds

5. Updating a view
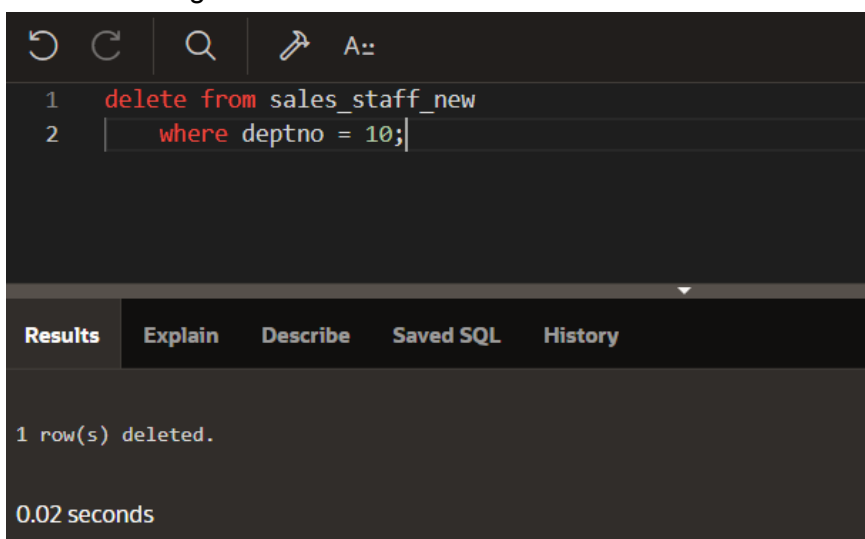
```
1    update sales_staff_new
2        set empno = 76543
3        where deptno = 10;
```

Results   Explain   Describe   Saved SQL   History

1 row(s) updated.

0.01 seconds

6. Deleting a row in view
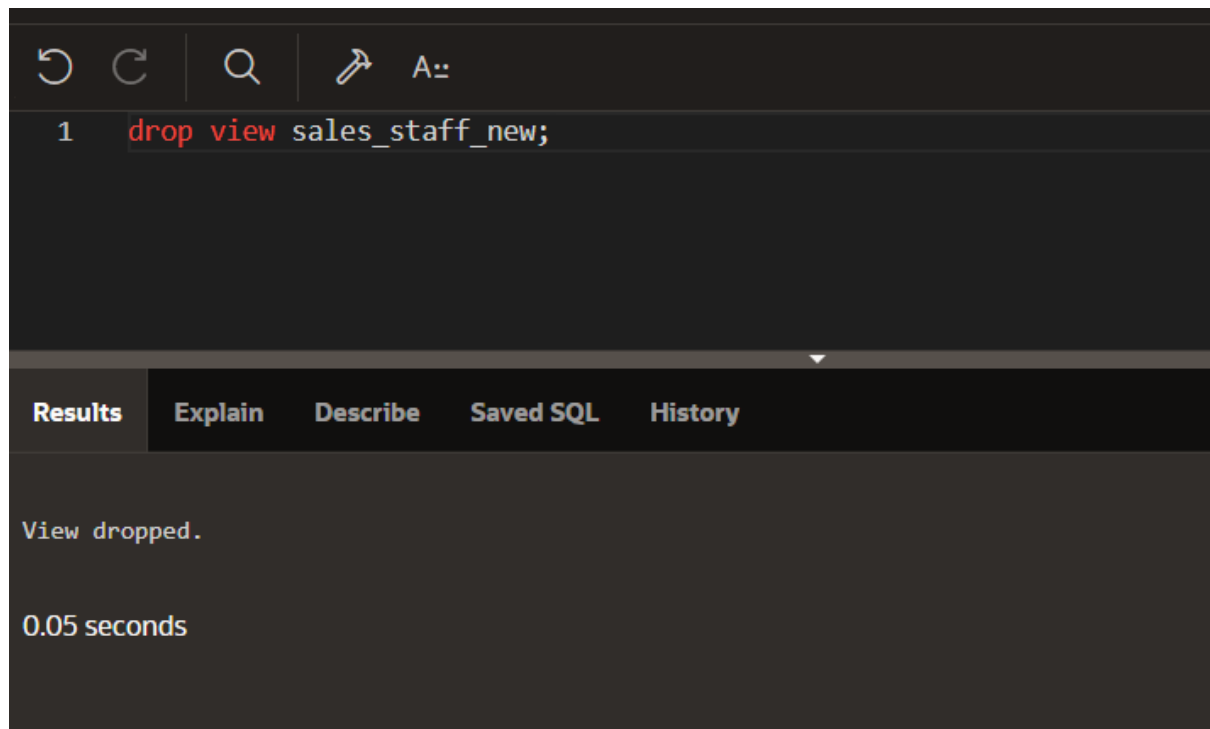
```
1    delete from sales_staff_new
2        where deptno = 10;
```

Results   Explain   Describe   Saved SQL   History

1 row(s) deleted.

0.02 seconds

7. Drop View

```
1   drop view sales_staff_new;
```
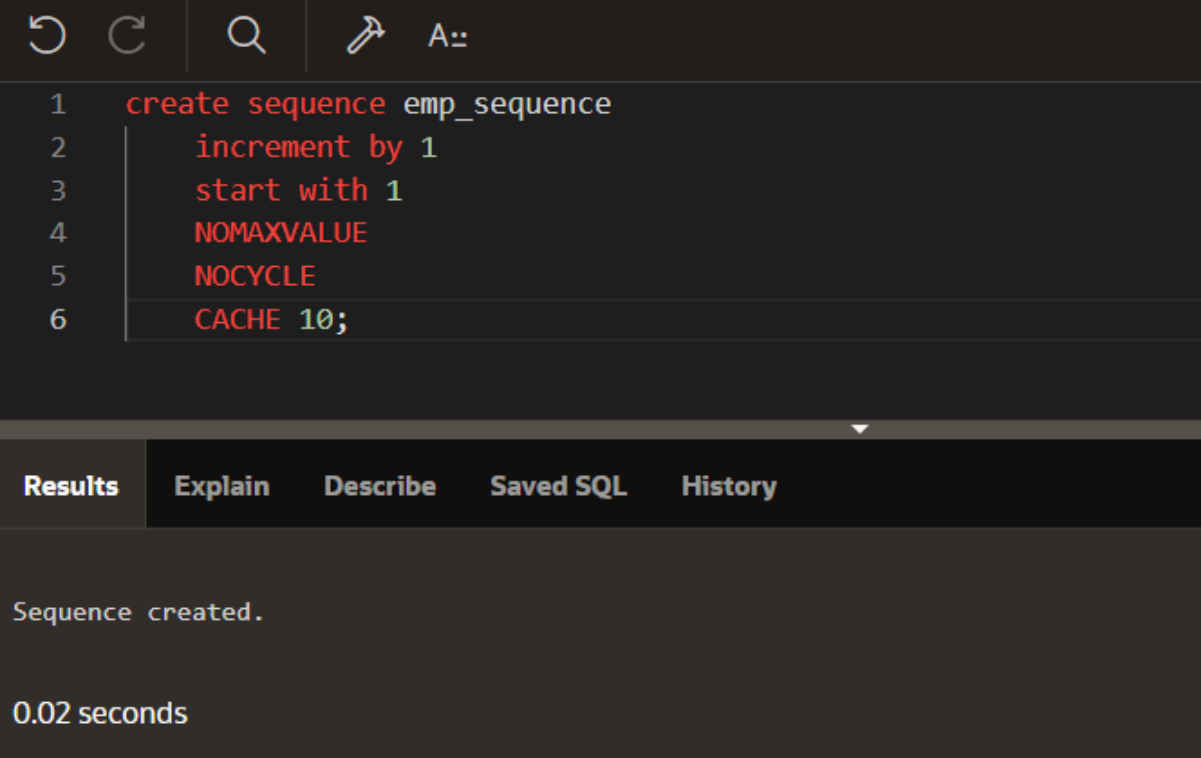
Results Explain Describe Saved SQL History

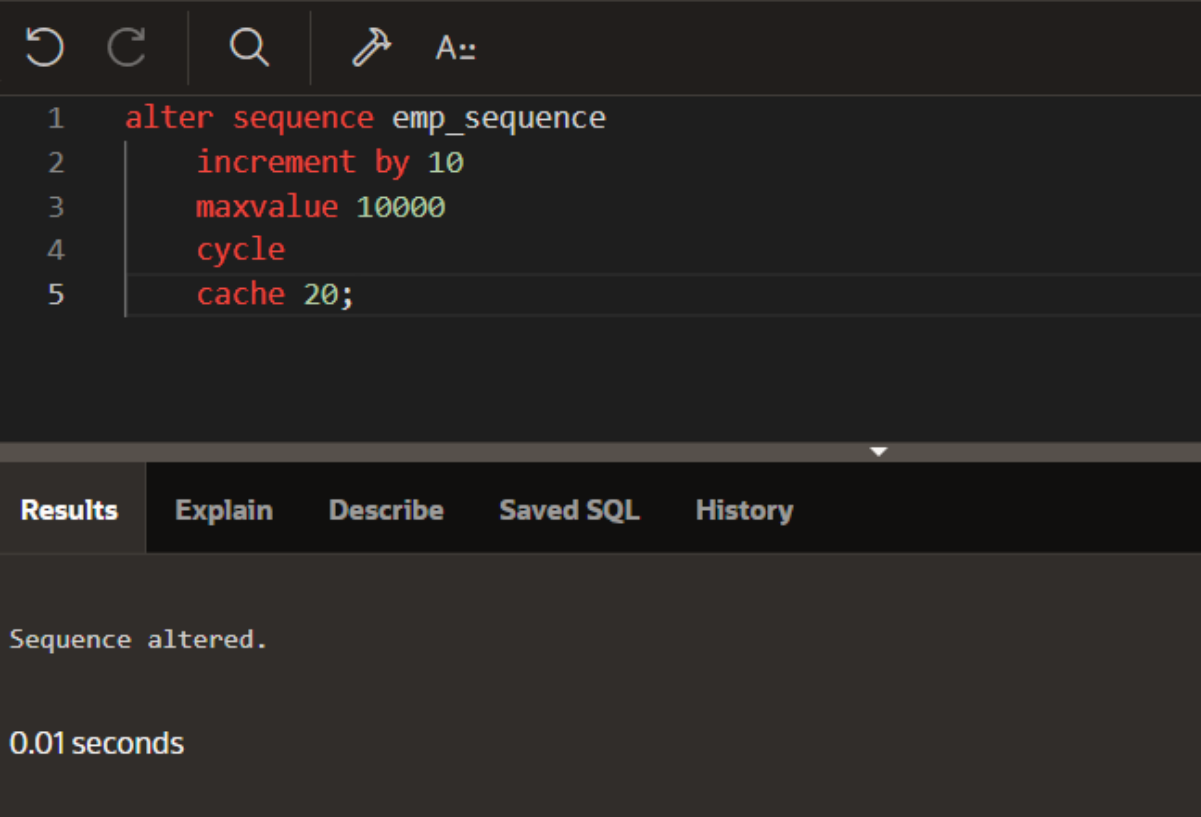View dropped.

0.05 seconds

SEQUENCE:
1. Creating a Sequence

```
1   create sequence emp_sequence
2       increment by 1
3       start with 1
4       NOMAXVALUE
5       NOCYCLE
6       CACHE 10;
```

Results   Explain   Describe   Saved SQL   History

Sequence created.

0.02 seconds

2. Altering a sequence

```
1   alter sequence emp_sequence
2       increment by 10
3       maxvalue 10000
4       cycle
5       cache 20;
```

Results   Explain   Describe   Saved SQL   History

Sequence altered.

0.01 seconds

3. Using sequence in Tables

```
1    insert into emp_final values (emp_sequence.NEXTVAL, 'Venkadesh', 10);
```

Results   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.03 seconds

```
1    select * from emp_final;
```

Results   Explain   Describe   Saved SQL   History

EMPNO	EMPNAME	DEPTNO
10	Venkadesh	10

1 rows returned in 0.01 seconds   Download

```
1    update emp_final
2        set empno = emp_sequence.NEXTVAL
3        where deptno = 10;
```

Results   Explain   Describe   Saved SQL   History

1 row(s) updated.

0.01 seconds

```
select * from emp_final;
```

Results | Explain | Describe | Saved SQL | History

EMPNO	EMPNAME	DEPTNO
210	Venkadesh	10

1 rows returned in 0.01 seconds   Download

```
select emp_sequence.NEXTVAL from emp_final;
```

Results | Explain | Describe | Saved SQL | History

NEXTVAL
230

1 rows returned in 0.00 seconds   Download

4. Dropping a Sequence

```
drop sequence emp_sequence;
```

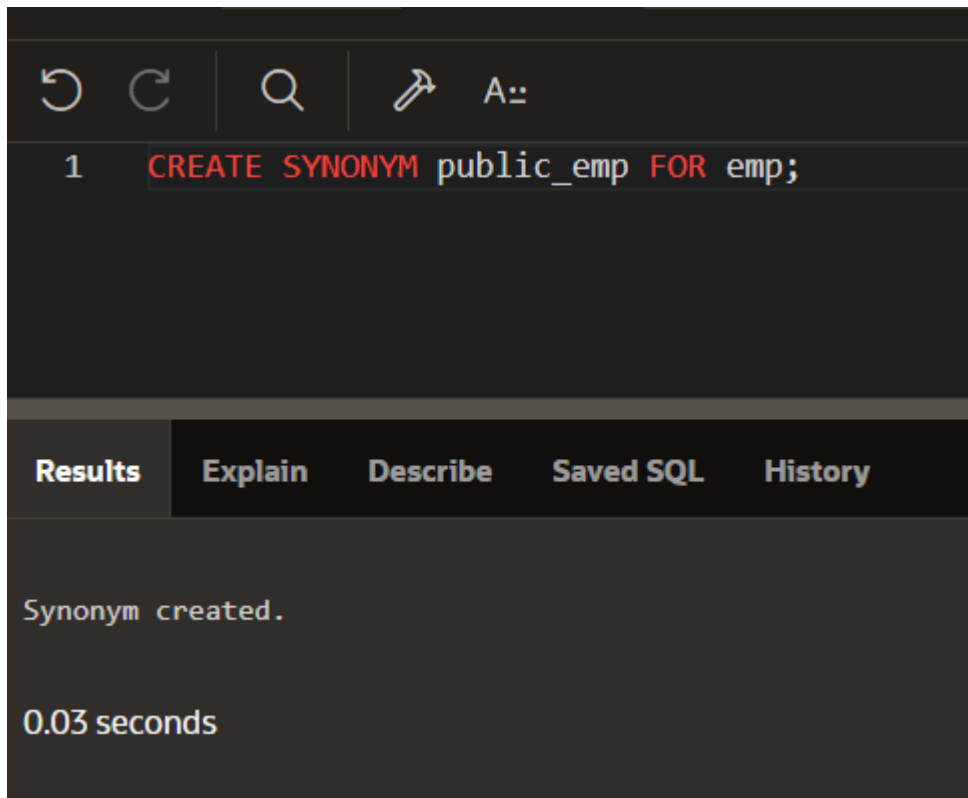**Results** | Explain | Describe | Saved SQL | History

Sequence dropped.
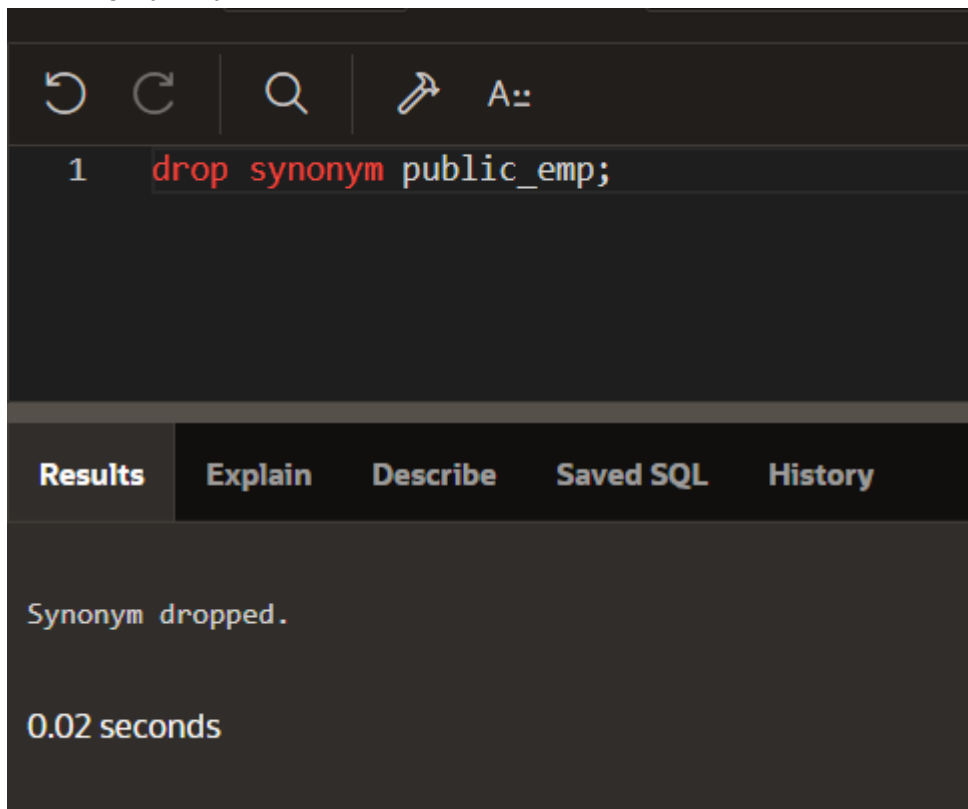
0.01 seconds

Synonyms:

1. Creating Synonyms

```
1    CREATE SYNONYM public_emp FOR emp;
```

Results   Explain   Describe   Saved SQL   History

Synonym created.

0.03 seconds

2. Dropping Synonyms

```
1    drop synonym public_emp;
```
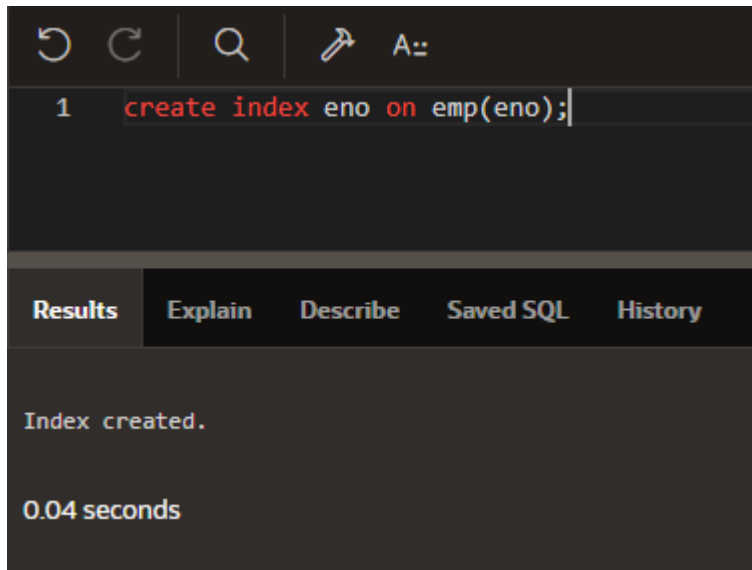
Results   Explain   Describe   Saved SQL   History

Synonym dropped.

0.02 seconds

Index:

1. Create a Index

2. Drop a Index

BLOB:

```sql
1   create table blob_table (
2       pno int,
3       name varchar(20),
4       data BLOB
5   );
6
```

Results | Explain | Describe | Saved SQL | History

Table created.

0.03 seconds

```sql
7
8   insert into blob_table values (1, 'Venkadesh', utl_raw.cast_to_raw('some magic here'));
9   insert into blob_table values (2, 'Sabarish', utl_raw.cast_to_raw('New data here'));
10  insert into blob_table values (3, 'Rithick', utl_raw.cast_to_raw('Some random Description'));
11  insert into blob_table values (4, 'Dinesh', utl_raw.cast_to_raw('Some data'));
12
```

Results | Explain | Describe | Saved SQL | History

1 row(s) inserted.

0.01 seconds

```sql
10  insert into blob_table values (3, 'Rithick', utl_raw.cast_to_raw('Some random Description'));
11  insert into blob_table values (4, 'Dinesh', utl_raw.cast_to_raw('Some data'));
12
13  select * from blob_table;
14
15  drop table blob_table;
```

Results | Explain | Describe | Saved SQL | History

PNO	NAME	DATA
2	Sabarish	[unsupported data type]
1	Venkadesh	[unsupported data type]
3	Rithick	[unsupported data type]
4	Dinesh	[unsupported data type]

4 rows returned in 0.01 seconds   Download

```
11  insert into blob_table values (4, 'Dinesh', utl_raw.cast_to_raw('Some data'));
12
13  select * from blob_table;
14
15  select utl_raw.cast_to_varchar2(dbms_lob.substr(data)) from blob_table;
16
```

Results Explain Describe Saved SQL History

UTL_RAW.CAST_TO_VARCHAR2(DBMS_LOB.SUBSTR(DATA))
New data here
some magic here
Some random Description
Some data

4 rows returned in 0.02 seconds   Download

```
14
15    select utl_raw.cast_to_varchar2(dbms_lob.substr(data)) from blob_table;
16
17    drop table blob_table;
```

Results Explain Describe Saved SQL History

Table dropped.

0.72 seconds

CLOB:

```
1    create table blob_table (
2        pno int,
3        name varchar(20),
4        data CLOB
5    );
6
```

Results Explain Describe Saved SQL History

Table created.

0.03 seconds

```sql
 7
 8    insert into blob_table values (1, 'Venkadesh', utl_raw.cast_to_raw('some magic here'));
 9    insert into blob_table values (2, 'Sabarish', utl_raw.cast_to_raw('New data here'));
10    insert into blob_table values (3, 'Rithick', utl_raw.cast_to_raw('Some random Description'));
11    insert into blob_table values (4, 'Dinesh', utl_raw.cast_to_raw('Some data'));
12
```

Results   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.01 seconds

```sql
10    insert into blob_table values (3, 'Rithick', utl_raw.cast_to_raw('Some random Description'));
11    insert into blob_table values (4, 'Dinesh', utl_raw.cast_to_raw('Some data'));
12
13    select * from blob_table;
14
15    select utl_raw.cast_to_varchar2(dbms_lob.substr(data)) from blob_table;
```

Results   Explain   Describe   Saved SQL   History

PNO	NAME	DATA
1	Venkadesh	736F6D65206D616769632068657265
4	Dinesh	536F6D652064617461
2	Sabarish	4E65772064617461612068657265
3	Rithick	536F6D652072616E646F6D204465736372697074696F6E

4 rows returned in 0.01 seconds   Download

```sql
12
13    select * from blob_table;
14
15    select utl_raw.cast_to_varchar2(dbms_lob.substr(data)) from blob_table;
16
17    drop table blob_table;
```
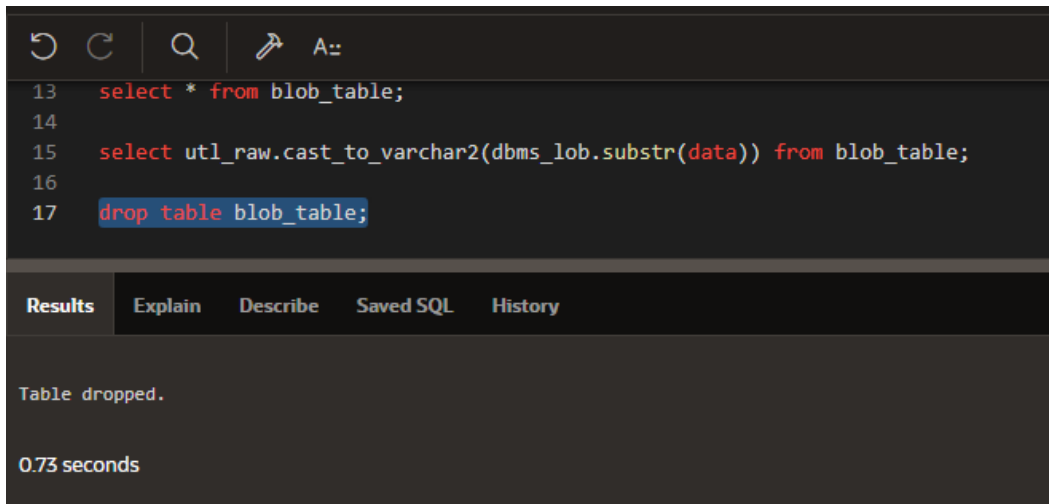
Results   Explain   Describe   Saved SQL   History

UTL_RAW.CAST_TO_VARCHAR2(DBMS_LOB.SUBSTR(DATA))
some magic here
Some data
New data here
Some random Description

4 rows returned in 0.01 seconds   Download

```
13    select * from blob_table;
14
15    select utl_raw.cast_to_varchar2(dbms_lob.substr(data)) from blob_table;
16
17    drop table blob_table;
```

Results | Explain | Describe | Saved SQL | History

Table dropped.

0.73 seconds

BFILE:


```
1    create table blob_table (
2        pno int,
3        name varchar(20),
4        data BFILE
5    );
6
```

Results | Explain | Describe | Saved SQL | History

Table created.

0.02 seconds