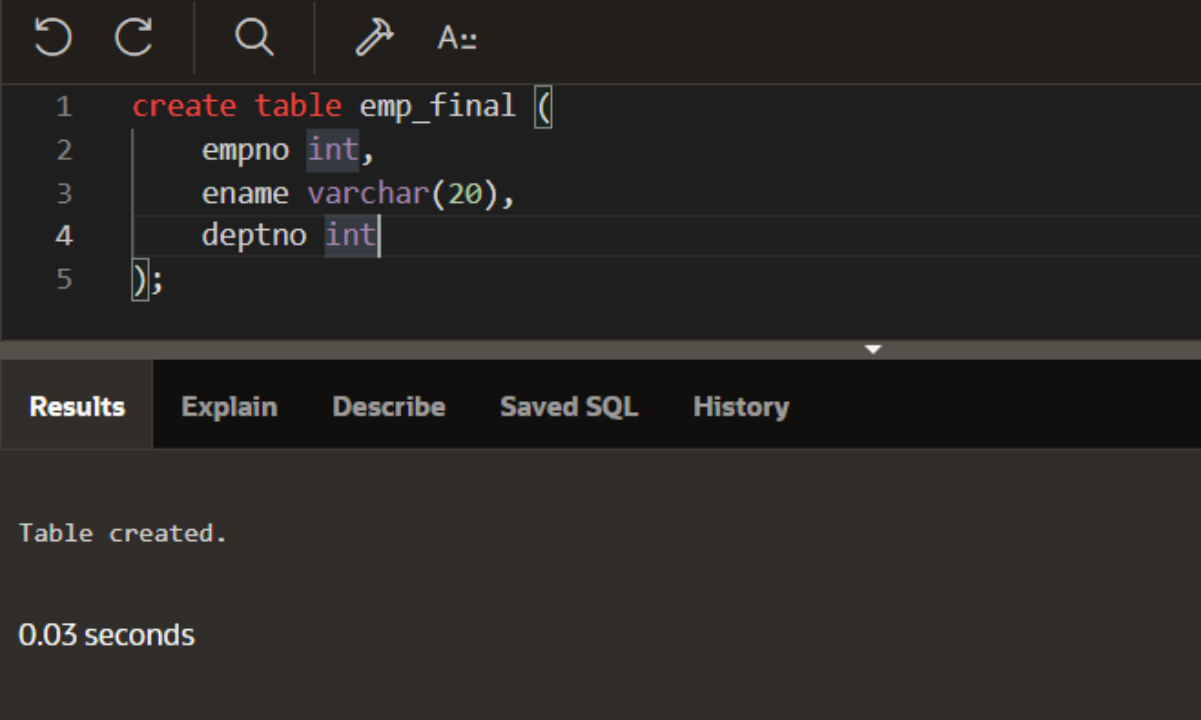


VIEWS:

1. Creating a table



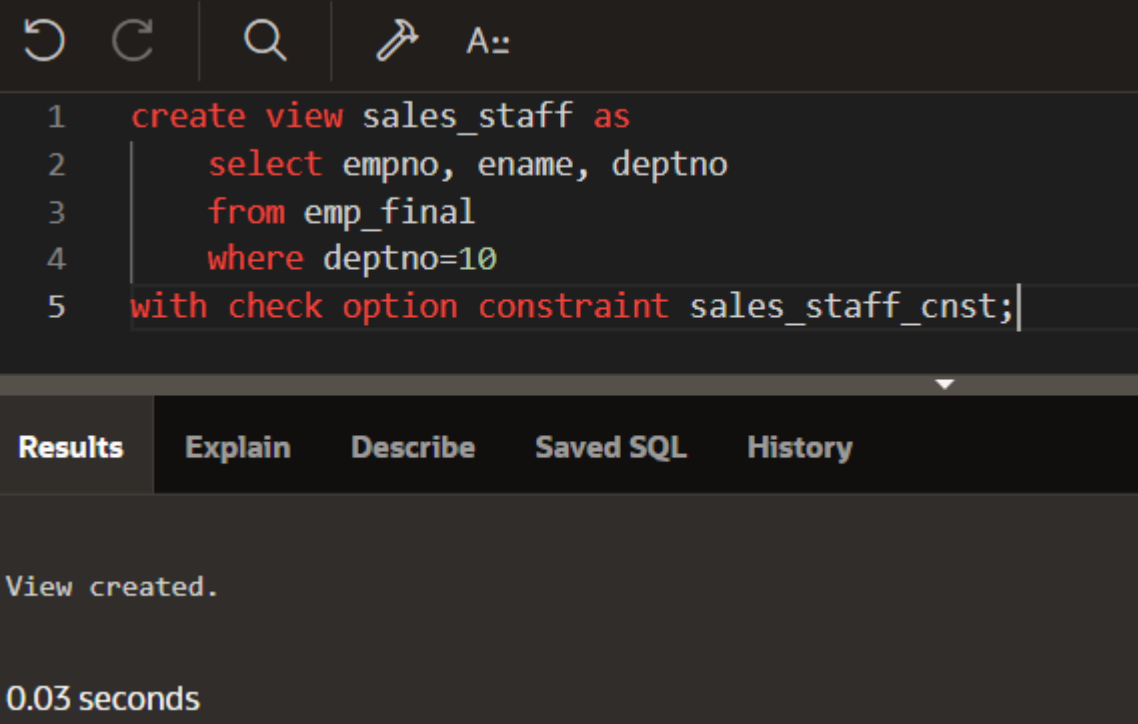
```
1 create table emp_final (  
2     empno int,  
3     ename varchar(20),  
4     deptno int  
5 );
```

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

↶ ↷ 🔍 🛠 A::

```
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

A::

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

A::

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

A::

1 select * from division1_staff;

Results

Explain

Describe

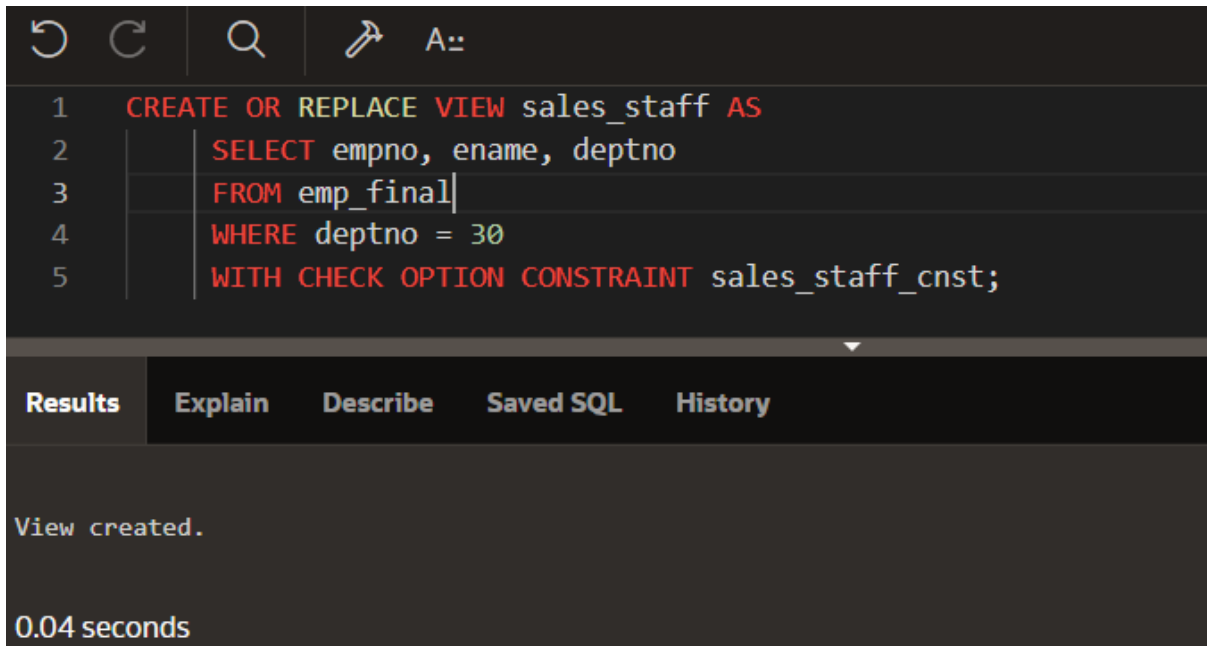
Saved SQL

History

ENAME	EMPNO	DEPTNAME
Venkadesh	7584	Engineering

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

4. Replacing a View



The screenshot shows the SQL Developer interface with a SQL script editor at the top containing five lines of SQL code. Below the editor is a toolbar with icons for undo, redo, search, and save. Underneath the toolbar is a row of tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected, and the main area below it displays the message 'View created.' followed by the execution time '0.04 seconds'.

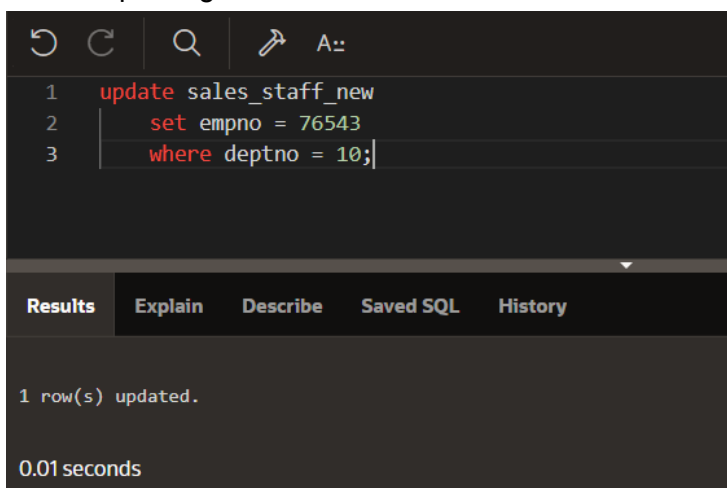
```
1 CREATE OR REPLACE VIEW sales_staff AS
2   SELECT empno, ename, deptno
3   FROM emp_final
4   WHERE deptno = 30
5   WITH CHECK OPTION CONSTRAINT sales_staff_cnst;
```

Results Explain Describe Saved SQL History

View created.

0.04 seconds

5. Updating a view



The screenshot shows the SQL Developer interface with a SQL script editor containing three lines of SQL code. Below the editor is a toolbar with icons for undo, redo, search, and save. Underneath the toolbar is a row of tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected, and the main area below it displays the message '1 row(s) updated.' followed by the execution time '0.01 seconds'.

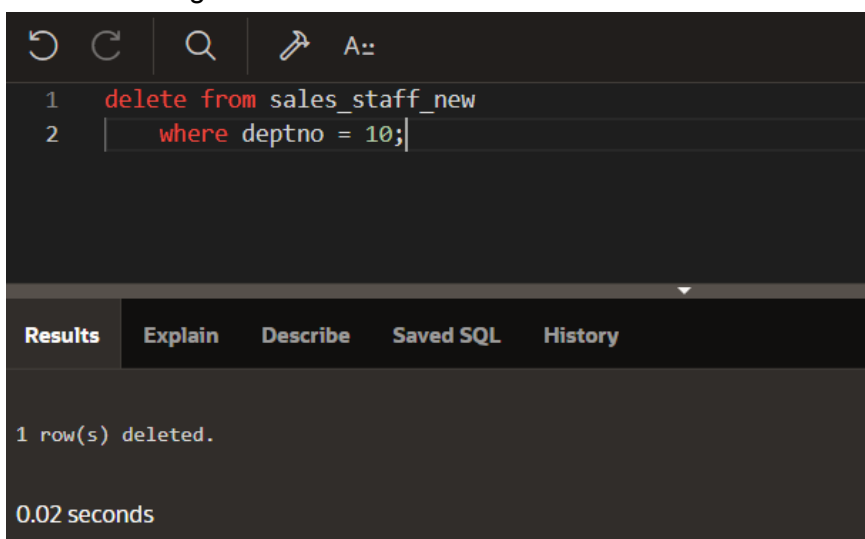
```
1 update sales_staff_new
2   set empno = 76543
3   where deptno = 10;
```

Results Explain Describe Saved SQL History

1 row(s) updated.

0.01 seconds

6. Deleting a row in view



The screenshot shows the SQL Developer interface with a SQL script editor containing two lines of SQL code. Below the editor is a toolbar with icons for undo, redo, search, and save. Underneath the toolbar is a row of tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected, and the main area below it displays the message '1 row(s) deleted.' followed by the execution time '0.02 seconds'.

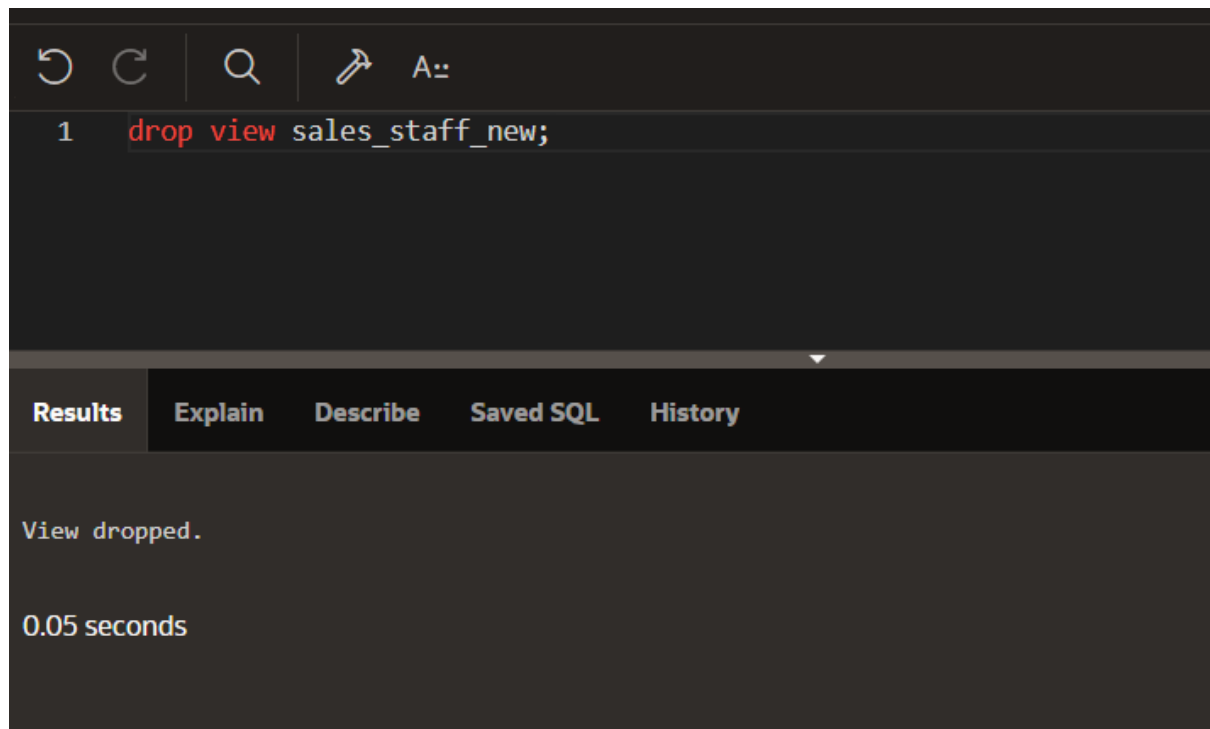
```
1 delete from sales_staff_new
2   where deptno = 10;
```

Results Explain Describe Saved SQL History

1 row(s) deleted.

0.02 seconds

7. Drop View



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a keyboard shortcut 'A::'. Below the toolbar, a SQL statement is entered in a text area: `1 drop view sales_staff_new;`. The statement is highlighted with a light blue background. Below the text area, there is a horizontal bar with a dropdown arrow. Underneath this bar is a tabbed interface with five tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is currently selected. The main area below the tabs displays the output of the query: 'View dropped.' followed by '0.05 seconds'.

```
1 drop view sales_staff_new;
```

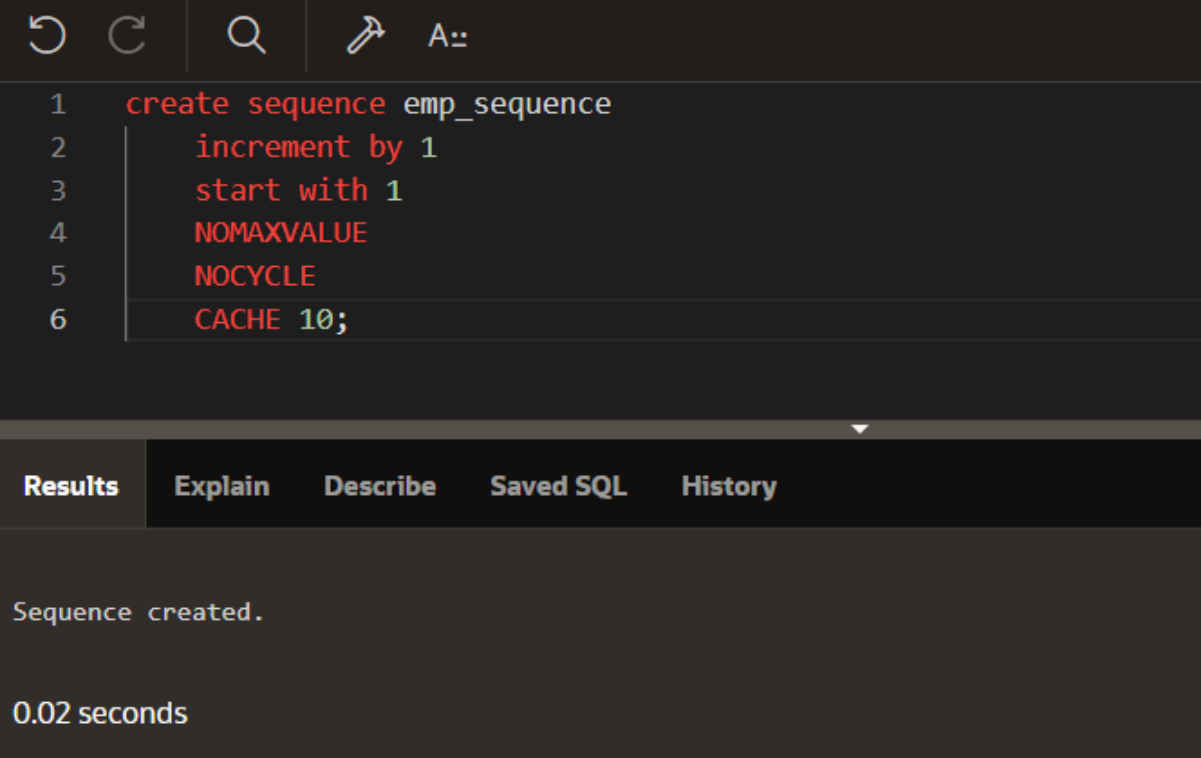
Results Explain Describe Saved SQL History

View dropped.

0.05 seconds

SEQUENCE:

1. Creating a Sequence

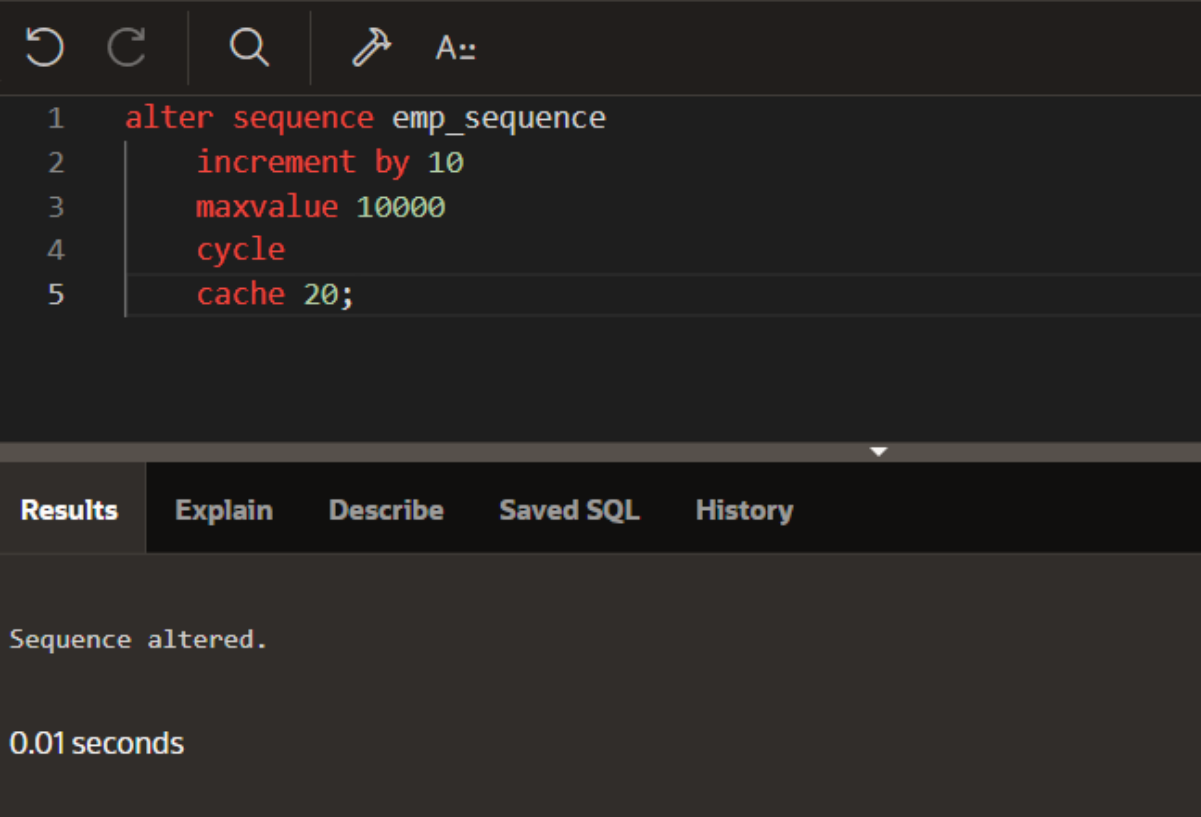


The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a command prompt. Below the toolbar, a SQL statement is entered in a text area:

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

Below the text area, there is a tabbed interface with five tabs: "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is selected, and it displays the message "Sequence created." and the execution time "0.02 seconds".

2. Altering a sequence



The screenshot shows the same SQL IDE interface. The SQL statement entered is:

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

The "Results" tab is selected, displaying the message "Sequence altered." and the execution time "0.01 seconds".

3. Using sequence in Tables

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A::

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

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.03 seconds

↶

↷

🔍

🔗

A::

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](#)

↶

↷

🔍

🔗

A::

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

A::

1 select * from emp_final;

Results

Explain

Describe

Saved SQL

History

EMPNO	EMPNAME	DEPTNO
210	Venkadesh	10

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

A::

1 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

A::

1 drop sequence emp_sequence;

Results

Explain

Describe

Saved SQL

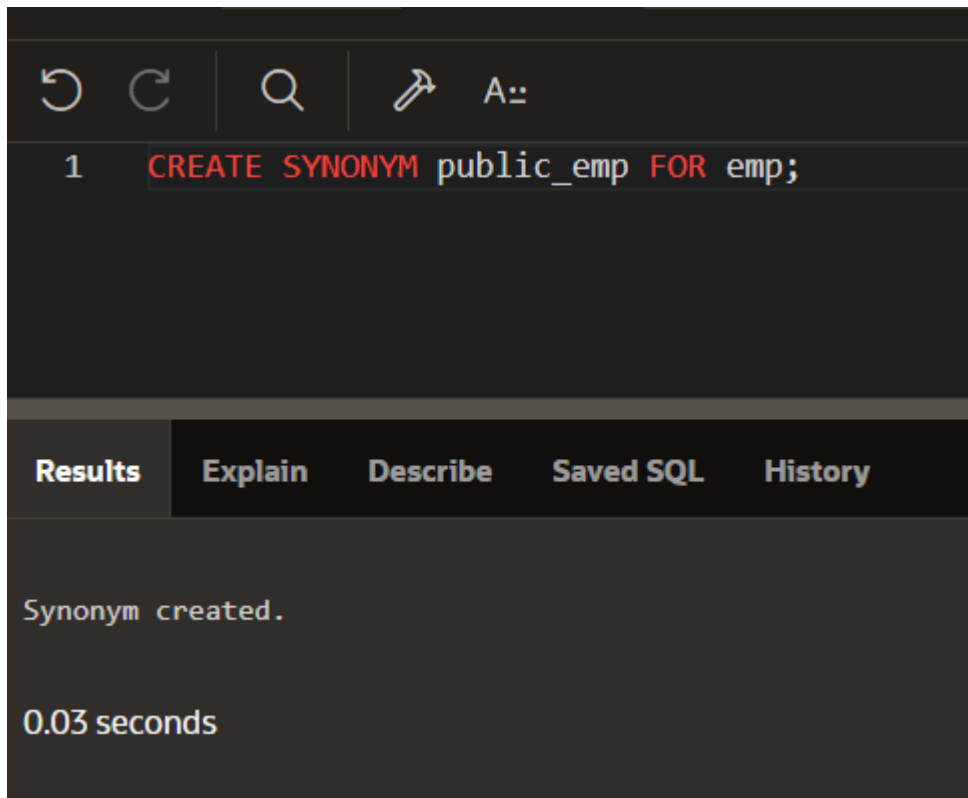
History

Sequence dropped.

0.01 seconds

Synonyms:

1. Creating Synonyms



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a command prompt. Below the toolbar, a SQL statement is entered in a text area: `1 CREATE SYNONYM public_emp FOR emp;`. The statement is highlighted in blue. Below the text area, there is a tabbed interface with five tabs: **Results**, **Explain**, **Describe**, **Saved SQL**, and **History**. The **Results** tab is selected, and it displays the message `Synonym created.` in a monospace font. Below the message, the execution time `0.03 seconds` is shown.

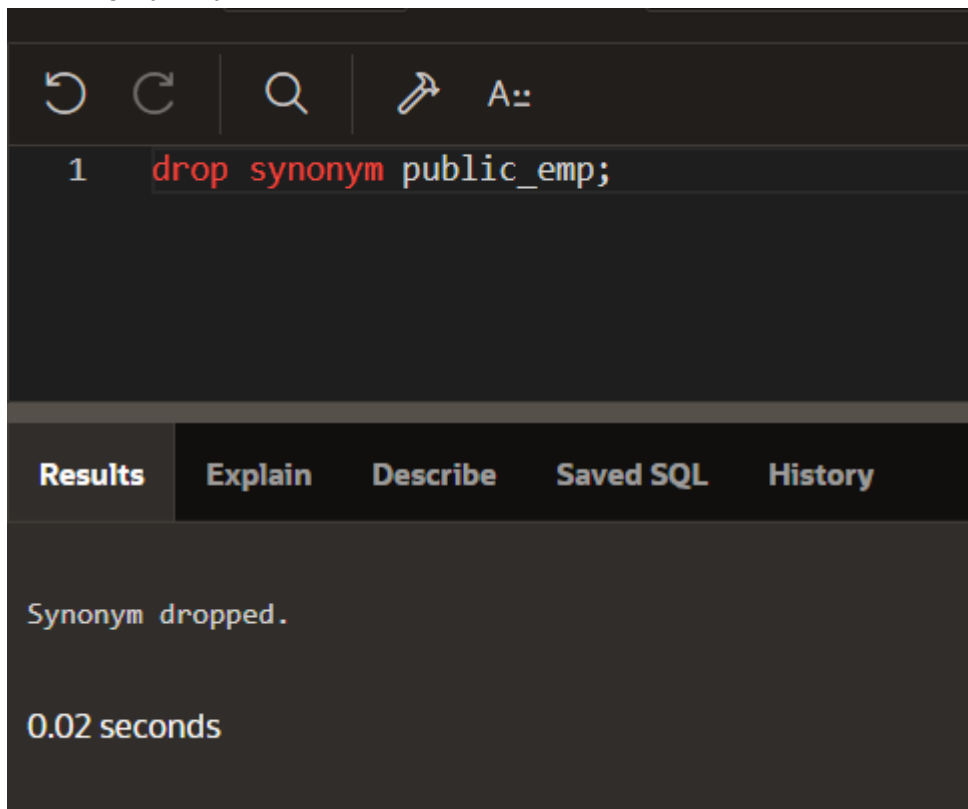
```
1 CREATE SYNONYM public_emp FOR emp;
```

Results Explain Describe Saved SQL History

Synonym created.

0.03 seconds

2. Dropping Synonyms



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a command prompt. Below the toolbar, a SQL statement is entered in a text area: `1 drop synonym public_emp;`. The statement is highlighted in blue. Below the text area, there is a tabbed interface with five tabs: **Results**, **Explain**, **Describe**, **Saved SQL**, and **History**. The **Results** tab is selected, and it displays the message `Synonym dropped.` in a monospace font. Below the message, the execution time `0.02 seconds` is shown.

```
1 drop synonym public_emp;
```

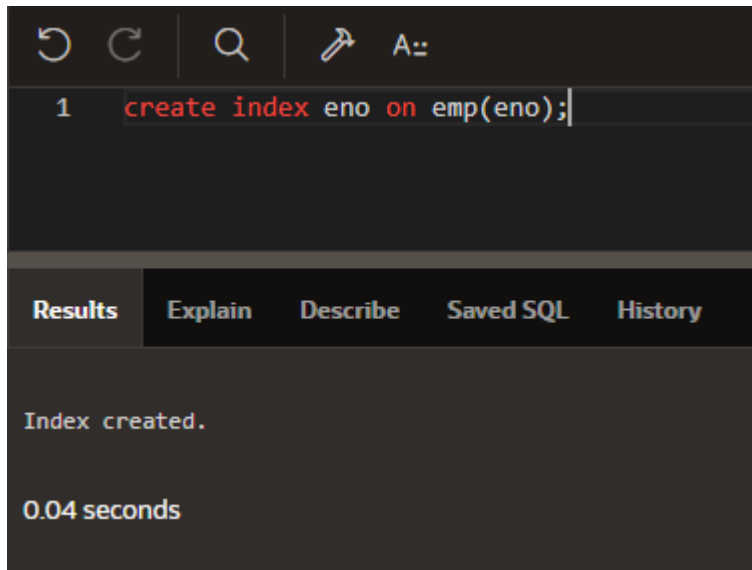
Results Explain Describe Saved SQL History

Synonym dropped.

0.02 seconds

Index:

1. Create a Index



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a prompt icon, followed by the text 'A::'. Below the toolbar, a SQL statement is entered in a text area: `1 create index eno on emp(eno);`. Below the text area, there is a tabbed interface with five tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected and displays the message 'Index created.' followed by the execution time '0.04 seconds'.

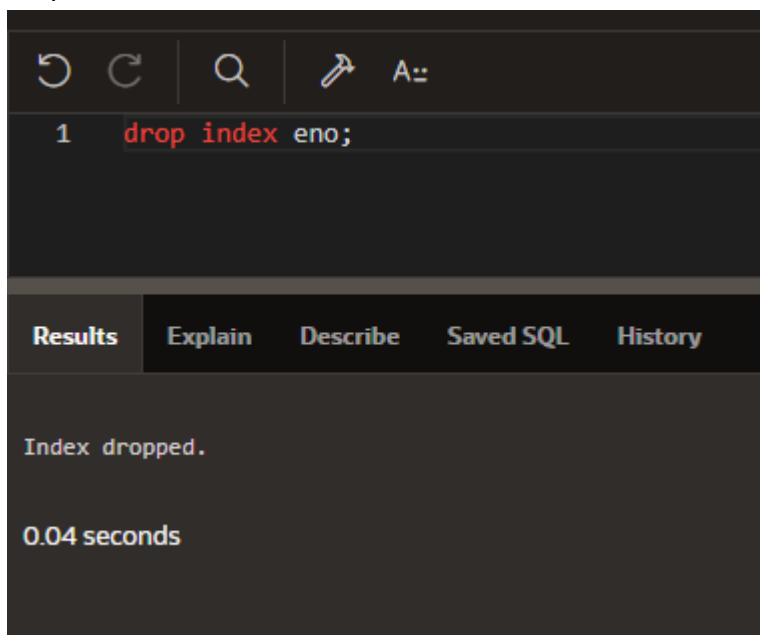
```
1 create index eno on emp(eno);
```

Results Explain Describe Saved SQL History

Index created.

0.04 seconds

2. Drop a Index



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a prompt icon, followed by the text 'A::'. Below the toolbar, a SQL statement is entered in a text area: `1 drop index eno;`. Below the text area, there is a tabbed interface with five tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected and displays the message 'Index dropped.' followed by the execution time '0.04 seconds'.

```
1 drop index eno;
```

Results Explain Describe Saved SQL History

Index dropped.

0.04 seconds

BLOB:

A=

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

A=

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

A=

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

select * from blob_table;

13

14

15

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

Az

```
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

Az

```
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	4E657720646174612068657265
3	Rithick	536F6D652072616E646F6D204465736372697074696F6E

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

Az

```
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

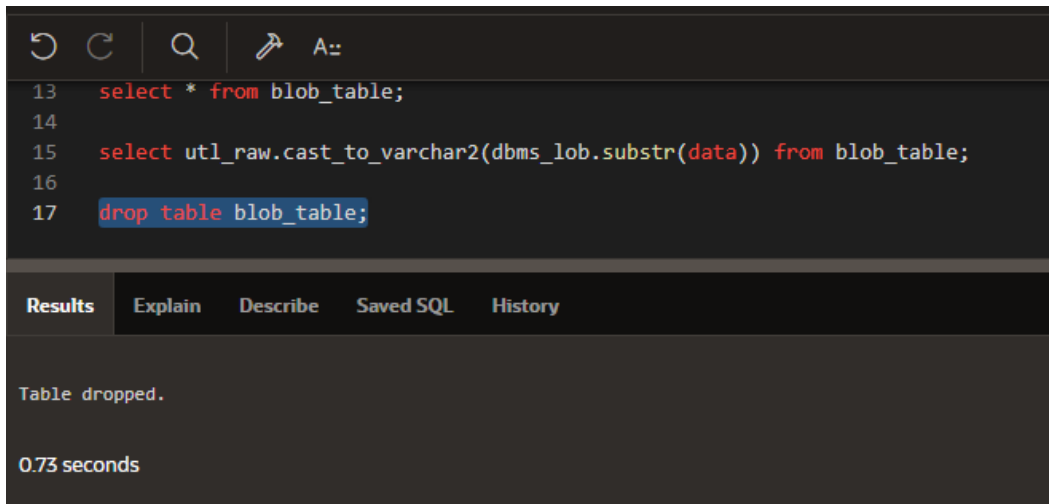
Describe

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](#)

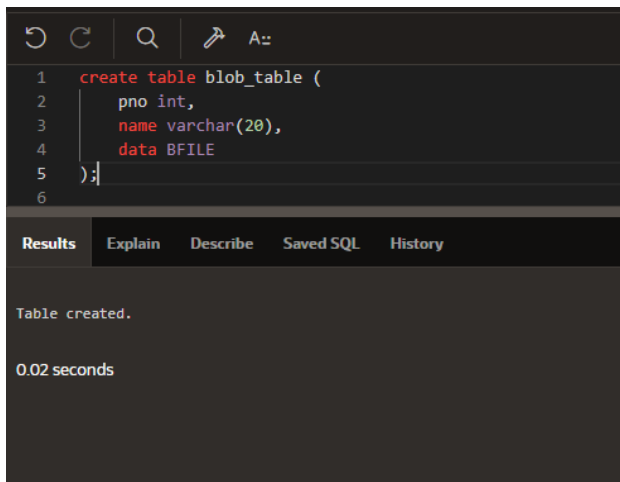


The screenshot shows a SQL IDE interface with a dark theme. At the top, there is a toolbar with icons for undo, redo, search, and a command prompt. Below the toolbar, the SQL editor contains the following code:

```
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;
```

Below the editor, there is a tabbed interface with four tabs: "Results", "Explain", "Describe", and "Saved SQL". The "Results" tab is currently selected and displays the message "Table dropped." and the execution time "0.73 seconds".

BFILE:



The screenshot shows a SQL IDE interface with a dark theme. At the top, there is a toolbar with icons for undo, redo, search, and a command prompt. Below the toolbar, the SQL editor contains the following code:

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

Below the editor, there is a tabbed interface with four tabs: "Results", "Explain", "Describe", and "Saved SQL". The "Results" tab is currently selected and displays the message "Table created." and the execution time "0.02 seconds".