

Tab 1

User: SYSTEM

Home > SQL > SQL Commands

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```
CREATE OR REPLACE VIEW EMPLOYEE_VU AS  
SELECT EMPLOYEE_ID, FIRST_NAME || ' ' || LAST_NAME AS EMPLOYEE, DEPARTMENT_ID  
FROM EMPLOYEES;  
|
```

Results Explain Describe Saved SQL History

View created.

0.02 seconds

Tab 2

User: SYSTEM

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```
SELECT * FROM EMPLOYEE_VU;
```

Results Explain Describe Saved SQL History

| EMPLOYEE_ID | EMPLOYEE | DEPARTMENT_ID |
|--|------------------|---------------|
| 100 | Steven King | 90 |
| 101 | Neena Kochhar | 90 |
| 102 | Lex De Haan | 90 |
| 103 | Alexander Hunold | 60 |
| 104 | Bruce Ernst | 60 |
| 108 | Nancy Greenberg | 100 |
| 109 | Daniel Faviet | 100 |
| 110 | John Chen | 100 |
| 114 | Davies Jones | 80 |
| 115 | James Smith | 80 |
| More than 10 rows available. Increase rows selector to view more rows. | | |

10 rows returned in 0.02 seconds

[CSV Export](#)

Tab 3

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```
SELECT VIEW_NAME, TEXT
FROM USER_VIEWS
WHERE VIEW_NAME = 'EMPLOYEE_VU';
```

Results Explain Describe Saved SQL History

| VIEW_NAME | TEXT |
|-------------|--|
| EMPLOYEE_VU | SELECT EMPLOYEE_ID, FIRST_NAME ' ' LAST_NAME AS EMPLOYEE, DEPARTMENT_ID FROM EMPLOYEES |

1 rows returned in 0.02 seconds

[CSV Export](#)

Tab 4

User: SYSTEM

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```
SELECT EMPLOYEE, DEPARTMENT_ID  
FROM EMPLOYEE_VU;
```

Results Explain Describe Saved SQL History

| EMPLOYEE | DEPARTMENT_ID |
|--|---------------|
| Steven King | 90 |
| Neena Kochhar | 90 |
| Lex De Haan | 90 |
| Alexander Hunold | 60 |
| Bruce Ernst | 60 |
| Nancy Greenberg | 100 |
| Daniel Faviat | 100 |
| John Chen | 100 |
| Davies Jones | 80 |
| James Smith | 80 |
| More than 10 rows available. Increase rows selector to view more rows. | |

10 rows returned in 0.00 seconds

[CSV Export](#)

Tab 5

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```
CREATE OR REPLACE VIEW DEPT50 AS  
SELECT EMPLOYEE_ID AS EMPNO, LAST_NAME AS EMPLOYEE, DEPARTMENT_ID AS DEPTNO  
FROM EMPLOYEES  
WHERE DEPARTMENT_ID = 50  
WITH READ ONLY;
```

Results Explain Describe Saved SQL History

View created.

0.01 seconds

Tab 6

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DESC DEPT50;

Results Explain Describe Saved SQL History

Object Type **VIEW** Object **DEPT50**

| Table | Column | Data Type | Length | Precision | Scale | Primary Key | Nullable | Default | Comment |
|--------|----------|-----------|--------|-----------|-------|-------------|----------|---------|---------|
| DEPT50 | EMPNO | Number | - | - | 0 | - | - | - | - |
| | EMPLOYEE | Varchar2 | 50 | - | - | - | ✓ | - | - |
| | DEPTNO | Number | - | - | 0 | - | ✓ | - | - |
| | | | | | | | | | 1 - 3 |

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```
SELECT * FROM DEPT50;
```

Results Explain Describe Saved SQL History

| EMPNO | EMPLOYEE | DEPTNO |
|-------|----------|--------|
| 501 | Kumar | 50 |

1 rows returned in 0.00 seconds

[CSV Export](#)

Tab 7

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```
UPDATE DEPT50  
SET DEPTNO = 80  
WHERE EMPLOYEE = 'Matos';
```

Results Explain Describe Saved SQL History

ORA-01733: virtual column not allowed here

0.02 seconds

Tab 8

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```
CREATE OR REPLACE VIEW SALARY_VU AS
SELECT
  E.LAST_NAME AS Employee,
  D.DEPARTMENT_NAME AS Department,
  E.SALARY AS Salary,
  J.GRADE_LEVEL AS Grade
FROM EMPLOYEES E
JOIN DEPARTMENTS D ON E.DEPARTMENT_ID = D.DEPARTMENT_ID
JOIN JOB_GRADES J ON E.SALARY BETWEEN J.LOWEST_SAL AND J.HIGHEST_SAL;
```

Results Explain Describe Saved SQL History

View created.

0.02 seconds