

T-SQL Views

www.tsq.info

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Create View

Create View Example

Customers table

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_TYPE
1	CUSTOMER_1	CC
2	CUSTOMER_2	I
3	CUSTOMER_3	SM
4	CUSTOMER_4	CC

Contracts table

CONTRACT_ID	CUSTOMER_ID	AMOUNT
1	1	400
2	2	500
3	3	700
4	1	1000
5	2	1200
6	4	900
7	3	2000
8	2	1500

```

CREATE VIEW CustomersList
AS
SELECT c.customer_id, c.customer_name, ctr.contract_id, ctr.amount
FROM customers c, contracts ctr
WHERE c.customer_id = ctr.customer_id
AND c.customer_type='CC' ;

```

Result:

Customer_Id	Customer_Name	Contract_Id	Amount
1	CUSTOMER_1	1	400
1	CUSTOMER_1	4	1000
4	CUSTOMER_4	6	900

Alter View

Alter View Example

```

CREATE VIEW CustomersList
AS
SELECT c.customer_id, c.customer_name, ctr.contract_id, ctr.amount
FROM customers c, contracts ctr
WHERE c.customer_id = ctr.customer_id
AND c.customer_type='CC' ;

```

Customer_Id	Customer_Name	Contract_Id	Amount
1	CUSTOMER_1	1	400
1	CUSTOMER_1	4	1000
4	CUSTOMER_4	6	900

```

ALTER VIEW CustomersList
AS
SELECT c.customer_id, c.customer_name, ctr.amount
FROM customers c, contracts ctr
WHERE c.customer_id = ctr.customer_id
AND c.customer_type='CC' ;

```

Customer_Id	Customer_Name	Amount
1	CUSTOMER_1	400
1	CUSTOMER_1	1000
4	CUSTOMER_4	900

Modify Data From View

Modify Data From View Example

```
CREATE VIEW CountriesView  
AS  
SELECT * FROM countries ;
```

```
INSERT INTO CountriesView(Country_Id, Country_Code, Country_Name)  
VALUES (8, 'ESP', 'SPAIN');
```

Country_Id	Country_Code	Country_Name
------------	--------------	--------------

1	US	UNITED STATES
2	ENG	ENGLAND
3	FRA	FRANCE
4	DEU	GERMANY
5	CAN	CANADA
6	AUS	AUSTRALIA
7	JPN	JAPAN
8	ESP	SPAIN

```
UPDATE CountriesView  
SET Country_Code='ITA', Country_Name='ITALY'  
WHERE Country_Id=8;
```

```
DELETE FROM CountriesView WHERE Country_Id=8;
```

Rename View

Rename View Syntax

```
sp_rename 'OLD_VIEW', 'NEW_VIEW';
```

Rename View Example

```
sp_rename 'CountriesView', 'NewCountriesView' ;
```

Drop View

Drop View Syntax

```
DROP VIEW View_Name;
```

Drop View Example

```
CREATE VIEW CountriesView  
AS  
SELECT * FROM countries ;  
  
DROP VIEW CountriesView;
```

Resources:

www.tsql.info/views/view.php