

View



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Orders by Customers

Order ID	Book ID	Quantity	Unit Price	Customer ID	Order Date	Order Status	Total Price	First Name	Last Name	Personal Email	...
O000000001	B000000021	2	39,97	C000000020	20130828	O	285,05	Jessamine	Chambers	Cum@inconsequat.org	...
...

Order

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
...

Customer

Customer ID	First Name	Last Name	Personal Email	...
C000000020	Jessamine	Chambers	Cum@inconsequat.org	...
...

Order Item

Order ID	Book ID	Quantity	Unit Price
O000000001	B000000021	2	39,97
...

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Type of Views

Database View

Projection View

Help View

Maintenance View

Replicated into the **Physical Database** as well

Implements **Inner Join**

Minimizes Database Accesses

Consists of **One or More** Table(s)

Only Read-Access is possible

Development Workflow



View Edit Goto Utilities Extras Environment System Help

Dictionary: Display View

Database view: ZORDER_V Active

Short Description: Orders by Customers

Attributes Table/Join Conditions View Flds Selection Conditions Maint.Status

Tables

- ZORDER
- ZORDERITEM
- ZCUSTOMER

Join conditions

Table	Field name	=	Table	Field name
ZCUSTOMER	MANDT	=	ZORDER	MANDT
ZCUSTOMER	CUSTOMERID	=	ZORDER	CUSTOMERID
ZORDER	MANDT	=	ZORDERITEM	MANDT
ZORDER	ORDERID	=	ZORDERITEM	ORDERID

Relationships

SAP

ZORDER_V

Orders by Customers

Database View

Table	Field
ZORDERITEM	MANDT
ZORDERITEM	ORDERID
ZORDERITEM	BOOKID
ZORDERITEM	QUANTITY
ZORDERITEM	UNITPRICE
ZORDER	CUSTOMERID
ZORDER	ORDDATE
ZORDER	OSTATUS
ZORDER	TOTALPRICE
ZCUSTOMER	FIRSTNAME
ZCUSTOMER	LASTNAME
ZCUSTOMER	PERSEMAIL
ZCUSTOMER	MOBPHONE
ZCUSTOMER	SADDRID
ZCUSTOMER	BADDRID

ZADDRESS_V

Full Address

Table	Field
ZADDRESS	MANDT
ZADDRESS	ADDRESSID
ZSTREET	STREETID
ZCITY	CITYID
ZCOUNTRY	COUNTRYID
ZSTREET	ZIPCODE
ZADDRESS	HOUSENUM
ZSTREET	STREETNAM
ZCITY	CITYNAME
ZCOUNTRY	COUNTRYNAM

ZADDRESS_V

Full Address

Table	Field
ZADDRESS	MANDT
ZADDRESS	ADDRESSID
ZSTREET	STREETID
ZCITY	CITYID
ZCOUNTRY	COUNTRYID
ZSTREET	ZIPCODE
ZADDRESS	HOUSENUM
ZSTREET	STREETNAM
ZCITY	CITYNAME
ZCOUNTRY	COUNTRYNAM

Next
Database Objects: View



View

Database Objects: View

Orders by Customers

Order ID	Book ID	Quantity	Unit Price	Customer ID	Order Date	Order Status	Total Price	First Name	Last Name	Personal Email	...
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Order Item

Order ID	Book ID	Quantity	Unit Price
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...

Attributes of Views

Join

Projection

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Maintenance
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Attributes of Views

Join

Projection

Selection

Maintenance
Status

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Inner Join

Outer Join

Attributes of Views

Customer

Customer ID	First Name	Last Name	Personal Email	...
C000000014	Quintessa	Ramirez	bibendum@cursus.com	...
C000000020	Jessamine	Chambers	Cum@inconsequat.org	...
C000000023	Stella	Norton	nonummy@lorem.ca	...
C000000037	Tate	Emerson	vitae.Vivamus@amet.net	...

Order

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Orders of Customers

Customer ID	First Name	Last Name	Personal Email	Order ID	Order Date	Order Status	Total Price
C000000014	Quintessa	Ramirez	bibendum@cursus.com	O000000003	20131204	C	49,95
C000000020	Jessamine	Chambers	Cum@inconsequat.org	O000000001	20130828	O	285,05
C000000037	Tate	Emerson	vitae.Vivamus@amet.net	O000000002	20140430	C	46,18

Inner Join

Attributes of Views

Customer

Customer ID	First Name	Last Name	Personal Email	...
C000000014	Quintessa	Ramirez	bibendum@cursus.com	...
C000000020	Jessamine	Chambers	Cum@inconsequat.org	...
C000000023	Stella	Norton	nonummy@lorem.ca	...
C000000037	Tate	Emerson	vitae.Vivamus@amet.net	...

Order

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Orders of Customers

Customer ID	First Name	Last Name	Personal Email	Order ID	Order Date	Order Status	Total Price
C000000014	Quintessa	Ramirez	bibendum@cursus.com	O000000003	20131204	C	49,95
C000000020	Jessamine	Chambers	Cum@inconsequat.org	O000000001	20130828	O	285,05
C000000023	Stella	Norton	nonummy@lorem.ca				
C000000037	Tate	Emerson	vitae.Vivamus@amet.net	O000000002	20140430	C	46,18

Outer Join

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Attributes of Views

Order

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Join

Maintenance
Status

Base Information of Orders

Order ID	Customer ID	Order Date	Order Status
O000000001	C000000020	20130828	O
O000000002	C000000037	20140430	C
O000000003	C000000014	20131204	C

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Attributes of Views

Order

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Join

Maintenance
Status



Open Orders

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Attributes of Views

Order

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Join

Maintenance
Status

WHERE **Order Status** = "O".

Open Orders

Order ID	Customer ID	Order Date	Order Status	Total Price
O000000001	C000000020	20130828	O	285,05
O000000002	C000000037	20140430	C	46,18
O000000003	C000000014	20131204	C	49,95

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Read only

Read, Change,
Delete, Insert

Attributes of Views

Join

Projection

Selection

Maintenance
Status

Read only

Read, Change,
Delete, Insert

Next
Type of Views



View

Type of Views

Type of Views

Database View

Projection View

Help View

Maintenance View

Type of Views

Database View

Projection View

Help View

Maintenance View

Replicated into the **Physical Database** as well

Implements **Inner Join**

Minimizes Database Accesses

Consists of **One or More** Table(s)

Only Read-Access is possible

Type of Views

Database View

Projection View

Help View

Maintenance View

Hides Unnecessary Fields

Minimizes the Interface

Consists of **Only One** Table

Type of Views

Database View

Projection View

Help View

Maintenance View

Selection Method for Search Helps

Implements **Outer Join**

Type of Views

Database View

Projection View

Help View

Maintenance View

Simplifies the Maintenance of Complex Application Objects

Implements **Outer Join**

Type of Views

Database View

Projection View

Help View

Maintenance View

Simplifies the Maintenance

Next

Development Workflow: View

implements Outer Join



View

Development Workflow: View

List of Potential Views

ZORDER_V

Orders by Customers

ZADDRESS_V

Full Address

Development Workflow



Development Workflow

ZORDER_V
Orders by Customers



ZADD
Full Address

Next

Demo: Creating Views



Group Exercises



Attendee



Instructor

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- ZCUSTOMER

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ZCUSTOMER	CUSTOMERID	=	ZORDER	CUSTOMERID
ZORDER	MANDT	=	ZORDERITEM	MANDT
ZORDER	ORDERID	=	ZORDERITEM	ORDERID

Relationships

SAP

ZORDER_V

Orders by Customers

Database View

Table	Field
ZORDERITEM	MANDT
ZORDERITEM	ORDERID
ZORDERITEM	BOOKID
ZORDERITEM	QUANTITY
ZORDERITEM	UNITPRICE
ZORDER	CUSTOMERID
ZORDER	ORDDATE
ZORDER	OSTATUS
ZORDER	TOTALPRICE
ZCUSTOMER	FIRSTNAME
ZCUSTOMER	LASTNAME
ZCUSTOMER	PERSEMAIL
ZCUSTOMER	MOBPHONE
ZCUSTOMER	SADDRID
ZCUSTOMER	BADDRID

Individual Exercises



ZADDRESS_V

Full Address

Table	Field
ZADDRESS	MANDT
ZADDRESS	ADDRESSID
ZSTREET	STREETID
ZCITY	CITYID
ZCOUNTRY	COUNTRYID
ZSTREET	ZIPCODE
ZADDRESS	HOUSENUM
ZSTREET	STREETNAM
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ZORDER	MANDT	=	ZORDERITEM	MANDT
ZORDER	ORDERID	=	ZORDERITEM	ORDERID

Relationships

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ZORDER_V

Orders by Customers

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Table	Field
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ZORDER	OSTATUS
ZORDER	TOTALPRICE
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ZADDRESS_V

Full Address

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ZSTREET	STREETNAM
ZCITY	CITYNAME
ZCOUNTRY	COUNTRYNAM

Next Module

Maintenance Dialogs

