

select \* from Customers;

CUST_ID	CUST_NAME	CUST_ADDRESS	CUST_CITY	CUST_STATE	CUST_ZIP	CUST_COUNTRY	CUST_CONTACT	CUST_EMAIL
1000000001	Village Toys ...	200 Maple Lane ...	Detroit ...	MI	44444	USA	John Smith	sales@villagetoys.com
1000000002	Kids Place ...	333 South Lake Drive...	Columbus ...	OH	43333	USA	Michelle Green	(null)
1000000003	Fun4All ...	1 Sunny Place ...	Muncie ...	IN	42222	USA	Jim Jones	jjones@fun4all.com
1000000004	Fun4All ...	829 Riverside Drive ...	Phoenix ...	AZ	88888	USA	Denise L. Stephens...	dstephens@fun4all.com
1000000005	The Toy Store...	4545 53rd Street ...	Chicago ...	IL	54545	USA	Kim Howard	(null)

select \* from OrderItems;

ORDER_NUM	ORDER_ITEM	PROD_ID	QUANTITY	ITEM_PRICE
20005	1	BR01	100	5,49
20005	2	BR03	100	10,99
20006	1	BR01	20	5,99
20006	2	BR02	10	8,99
20006	3	BR03	10	11,99
20007	1	BR03	50	11,49
20007	2	BNBG01	100	2,99
20007	3	BNBG02	100	2,99
20007	4	BNBG03	100	2,99
20007	5	RGAN01	50	4,49
20008	1	RGAN01	5	4,99
20008	2	BR03	5	11,99
20008	3	BNBG01	10	3,49
20008	4	BNBG02	10	3,49
20008	5	BNBG03	10	3,49
20009	1	BNBG01	250	2,49
20009	2	BNBG02	250	2,49
20009	3	BNBG03	250	2,49

select \* from Orders;

ORDER_NUM	ORDER_DATE	CUST_ID
20005	01.05.2004	1000000001
20006	12.01.2004	1000000003
20007	30.01.2004	1000000004
20008	03.02.2004	1000000005
20009	08.02.2004	1000000001

select \* from Products;

PROD_ID	VEND_ID	PROD_NAME	PROD_PRICE
BR01	BRS01	8 inch teddy bear ...	5,99
BR02	BRS01	12 inch teddy bear ...	8,99
BR03	BRS01	18 inch teddy bear ...	11,99
BNBG01	DLL01	Fish bean bag toy ...	3,49
BNBG02	DLL01	Bird bean bag toy ...	3,49
BNBG03	DLL01	Rabbit bean bag toy ...	3,49
RGAN01	DLL01	Raggedy Ann ...	4,99
RYL01	FNG01	King doll ...	9,49
RYL02	FNG01	Queen doll ...	9,49

select \* from Vendors;

VEND_ID	VEND_NAME	VEND_ADDRESS	VEND_CITY	VEND_STATE	VEND_ZIP	VEND_COUNTRY
BRS01	Bears R Us ...	123 Main Street...	Bear Town ...	MI	44444	USA
BRE02	Bear Emporium ...	500 Park Street...	Anytown ...	OH	44333	USA
DLL01	Doll House Inc....	555 High Street...	Dollsville...	CA	99999	USA
FRB01	Furball Inc. ...	1000 5th Avenue...	New York ...	NY	11111	USA
FNG01	Fun and Games ...	42 Galaxy Road ...	London ...	(null)	N16 6PS	England
JTS01	Jouets et ours ...	1 Rue Amusement...	Paris ...	(null)	45678	France

CUSTOMERS		
<u>CUST_ID</u>	char(10)	<pk>
CUST_NAME	char(50)	
CUST_ADDRESS	char(50)	
CUST_CITY	char(50)	
CUST_STATE	char(5)	
CUST_ZIP	char(10)	
CUST_COUNTRY	char(50)	
CUST_CONTACT	char(50)	
CUST_EMAIL	char(255)	

FK\_ORDERS\_CUSTOMERS

ORDERS		
<u>ORDER_NUM</u>	int	<pk>
ORDER_DATE	date	
CUST_ID	char(10)	<fk>

FK\_PRODUCTS\_VENDORS

PRODUCTS		
<u>PROD_ID</u>	char(10)	<pk>
VEND_ID	char(10)	<fk>
PROD_NAME	char(255)	
PROD_PRICE	decimal(8,2)	
PROD_DESC	varchar(1000)	

VENDORS		
<u>VEND_ID</u>	char(10)	<pk>
VEND_NAME	char(50)	
VEND_ADDRESS	char(50)	
VEND_CITY	char(50)	
VEND_STATE	char(5)	
VEND_ZIP	char(10)	
VEND_COUNTRY	char(50)	

FK\_ORDERITEMS\_ORDERS

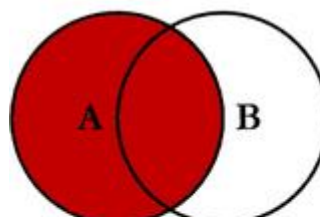
FK\_ORDERITEMS\_PRODUCTS

ORDERITEMS		
<u>ORDER_NUM</u>	int	<pk, fk1>
<u>ORDER_ITEM</u>	int	<pk>
PROD_ID	char(10)	<fk2>
QUANTITY	int	
ITEM_PRICE	decimal(8,2)	

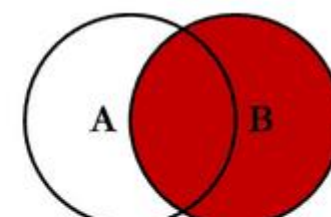
PROD\_DESC

8 inch teddy bear, comes with cap and jacket  
 12 inch teddy bear, comes with cap and jacket  
 18 inch teddy bear, comes with cap and jacket  
 Fish bean bag toy, complete with bean bag worms with which to :  
 Bird bean bag toy, eggs are not included  
 Rabbit bean bag toy, comes with bean bag carrots  
 18 inch Raggedy Ann doll  
 12 inch king doll with royal garments and crown  
 12 inch queen doll with royal garments and crown

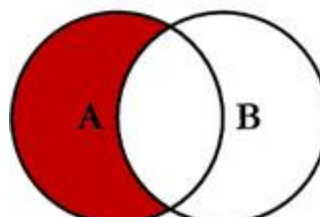
# SQL JOINS



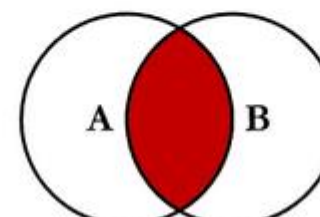
SELECT <select\_list>  
FROM TableA A  
LEFT JOIN TableB B  
ON A.Key = B.Key



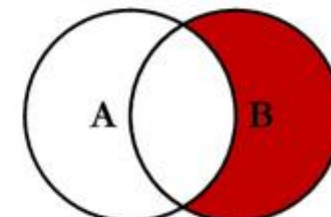
SELECT <select\_list>  
FROM TableA A  
RIGHT JOIN TableB B  
ON A.Key = B.Key



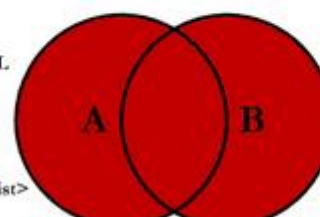
SELECT <select\_list>  
FROM TableA A  
LEFT JOIN TableB B  
ON A.Key = B.Key  
WHERE B.Key IS NULL



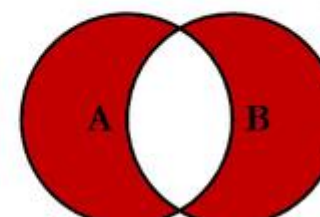
SELECT <select\_list>  
FROM TableA A  
INNER JOIN TableB B  
ON A.Key = B.Key



SELECT <select\_list>  
FROM TableA A  
RIGHT JOIN TableB B  
ON A.Key = B.Key  
WHERE A.Key IS NULL



SELECT <select\_list>  
FROM TableA A  
FULL OUTER JOIN TableB B  
ON A.Key = B.Key



SELECT <select\_list>  
FROM TableA A  
FULL OUTER JOIN TableB B  
ON A.Key = B.Key  
WHERE A.Key IS NULL  
OR B.Key IS NULL