

The UNION Operator

```
SELECT stock_num, manu_code  
FROM stock  
WHERE unit_price < 25
```

UNION

```
SELECT stock_num, manu_code  
FROM items  
WHERE quantity = 10
```

stock_num	manu_code
5	ANZ
5	NRG
9	ANZ
103	PRC
106	PRC
302	HRO
302	KAR

UNION ALL

```
SELECT stock_num, manu_code  
FROM stock  
WHERE unit_price < 25
```

UNION ALL

```
SELECT stock_num, manu_code  
FROM items  
WHERE quantity = 10
```

Duplicate values
are retained.

stock_num	manu_code
5	ANZ
9	ANZ
103	PRC
106	PRC
302	HRO
302	KAR
5	NRG
5	ANZ
9	ANZ

UNION Operator Restrictions

- The number of items in the select-list of each query must be the same
- Corresponding items in each select-list must have matching data types
- An ORDER BY clause can be placed after the last SELECT statement only
- Sort columns must be referenced by column position, not by column name

Facilitating Irregular Sorts

Constant selected
in both statements.

SELECT 'A' sortkey, manu_name, description
FROM stock, manufact
WHERE stock.manu_code = manufact.manu_code
AND manu_name = 'Husky'

UNION

SELECT 'B' sortkey, manu_name, description
FROM stock, manufact
WHERE stock.manu_code = manufact.manu_code
AND manu_name <> 'Husky'
ORDER BY 1,2

Results ordered
by constant first

Sample Output

sortkey	manu_name	description
A	Husky	baseball bat
A	Husky	baseball gloves
A	Husky	football
A	Husky	helmet
B	Anza	3 golf balls
B	Anza	golf shoes
B	Anza	helmet
B	Anza	kick board
...		
B	Smith	tennis racquet