




SAP Business One

# SQL Writing Basics

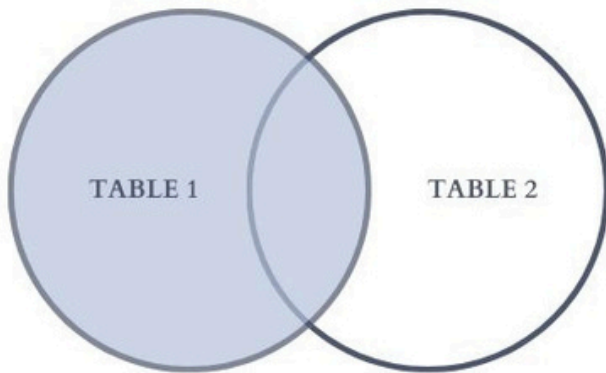

*Quaint*  
business solutions

# TABLE

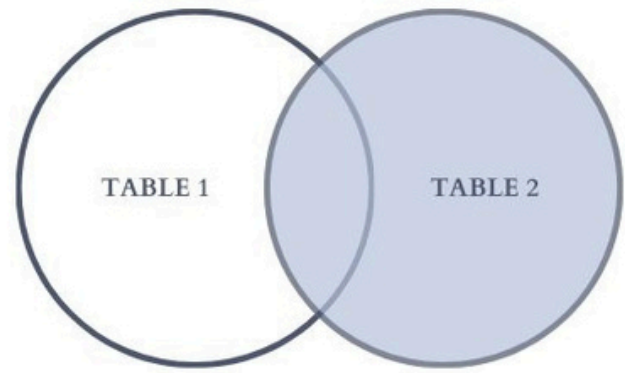
# JOINS



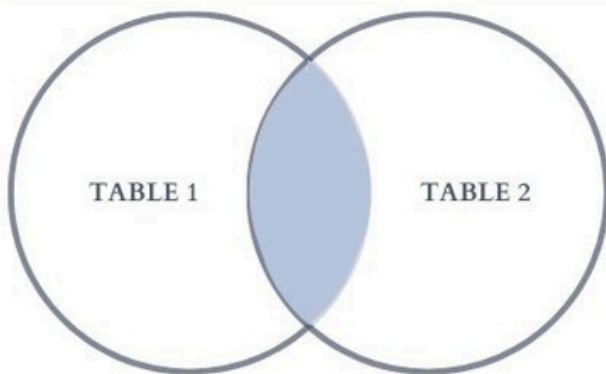




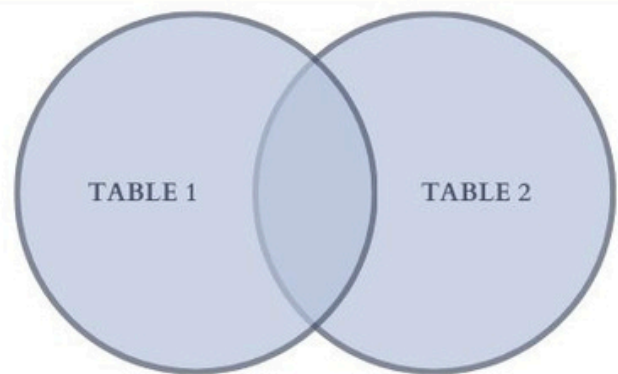
LEFT JOIN



RIGHT JOIN



INNER JOIN



FULL JOIN

# QUERY SYNTAX



## SQL

## VS

## HANA

Case-Insensitive

Case-Sensitive

`ISNULL(expression , value)`

`IFNULL(<expression1> , <expression2>)`

`GETDATE()`

`CURRENT_DATE`

`DATEADD(interval , number , date)`

`ADD_DAYS(<date> , <num_days>)`  
`ADD_MONTHS(<date> , <num_months>)`  
`ADD_MONTHS_LAST(<date> , <num_months>)`  
`ADD_SECONDS(<time> , <num_seconds>)`  
`ADD_YEARS(<date> , <num_years>)`

`DATEDIFF(interval , date1 , date2)`

`DAYS_BETWEEN(<date_1> , <date_2>)`  
`MONTHS_BETWEEN(<date_1> , <date_2>)`  
`YEARS_BETWEEN(<date_1> , <date_2>)`

`DATENAME(interval , date)`

`DAYNAME(<date>)`

DATEPART(*interval, date*)

DAYOFMONTH(<date>  
 DAYOFYEAR(<date>  
 NEXT\_DAY(<date>  
 MONTH(<date>  
 YEAR(<date>  
 WEEK(<date>  
 HOUR(<date>

CONVERT(*data\_type(length),  
 expression, style*)

TO\_VARCHAR(<value> [, <format>])  
 TO\_TIME(<time> [, <format>])  
 TO\_NVARCHAR(<value> [, <format>])  
 TO\_INTEGER(<value>  
 TO\_DECIMAL(<value> [, <precision>,  
 <scale>])  
 TO\_DATE(<date> [, <format>])  
 TO\_BOOLEAN(<value>)

ROW\_NUMBER()  
 OVER( [ PARTITION BY  
*value\_expression , ... [n] ]  
 order\_by\_clause)*

ROW\_NUMBER()  
 <window\_specification>

TRIM([*characters* FROM] *string*)

TRIM([[LEADING | TRAILING | BOTH]  
 <trim\_char> FROM] <string>)

SELECT COUNT(*column\_name*)

SELECT COUNT(\*)  
 SELECT COUNT( [ALL] <expression> )  
 SELECT COUNT (DISTINCT  
 <expression\_list>)

CURRENT\_USER

CURRENT\_USER

UPPER(text)

UPPER(<string>)

CONCAT(string1, string2, ..., string\_n)

CONCAT(<string1>, <string2>)

No quotes, brackets [], or double quotes surrounding field names

Double quotes surrounding field names

Alias field/column with single or double quotes

Alias field/column with double quotes

```
DECLARE @myvariable VARCHAR(20)
Set @myvariable = 'ABC123'
SELECT * FROM OINV TO WHERE
TO.CardCode = @myvariable
```

```
Declare my_variable VARCHAR(20);
my_variable := 'ABC123';
SELECT * FROM OINV TO WHERE
TO."CardCode" = :my_variable;
```