

# SQL Guidelines

## SQL Guidelines

### Table names

1. Table names must begin with the PrestaShop "\_DB\_PREFIX\_" prefix.

```
... FROM `'_DB_PREFIX_'customer` ...
```

2. Table names must have the same name as the object they reflect: "ps\_cart".
3. Table names have to stay singular: "ps\_order".
4. Language data have to be stored in a table named exactly like the object's table, and with the "\_lang" suffix: "ps\_product\_lang".

### SQL query

1. Keywords must be written in uppercase.

```
SELECT `firstname`  
FROM `'_DB_PREFIX_'customer`
```

2. Back quotes ("`) must be used around SQL field names and table names.

```
SELECT p.`foo`, c.`bar`  
FROM `'_DB_PREFIX_'product` p, `'_DB_PREFIX_'customer` c
```

3. Table aliases have to be named by taking the first letter of each word, and must be lowercase.

```
SELECT p.`id_product`, pl.`name`  
FROM `'_DB_PREFIX_'product` p  
NATURAL JOIN `'_DB_PREFIX_'product_lang` pl
```

4. When conflicts between table aliases occur, the second character has to be also used in the name.

```
SELECT ca.`id_product`, cu.`firstname`  
FROM `'_DB_PREFIX_'cart` ca, `'_DB_PREFIX_'customer` cu
```

5. A new line has to be created for each clause.

```
$query = 'SELECT pl.`name`  
FROM `'_DB_PREFIX_'product_lang` pl  
WHERE pl.`id_product` = 17';
```

6. It is forbidden to make a JOIN in a WHERE clause.