
BeeSQL2 Documentation

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Kasun Herath

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CHAPTER 1

Introduction

BeeSQL2 is a SQL abstraction library targetting python that helps,

- Minimize repetitive steps in Python DB-API.
- Use python methods for SQL generation.
- Map SQL to Python datastructures.

BeeSQL2 is not an ORM.

Currently BeeSQL supports following databases.

- MySQL

Quick Start

Note: Current supported engines are `mysql`.

Common operations

Importing beesql:

```
import beesql
```

Creating a database connection:

```
from beesql import DB

db = DB(database_type='mysql', db_name="database_name", username="username" password=
↳ 'password',
        host="database_host", port="database_port")

db = DB('mysql', 'db_name').auth('username', 'password')
```

The `database_type` should be one of supported engines.

** Creating a statement **:

```
statement = db.query('table_name').select()
statement = db.query('table_name').update(name="new name")
statement = db.query('table_name').delete()
```

** Select statement **::

- `statement = db.query().on('table_name').select() => "SELECT * FROM table_name"`

- `statement = db.query().on('table_name').select('id', 'age') => " SELECT id, age FROM table_name "`
- `statement = db.query('table_name').select('id', 'age').select('location') => " SELECT id, age, location FROM table_name "`

**** Update statement **:**

- `statement = db.query('table_name').update(age=23) => " UPDATE table_name SET age=23 "`

**** Delete statement **:**

- `statement = db.query('table_name').delete() => " DELETE FROM table_name "`

**** Where condition **:**

- `db.query('table_name').select().where(age=20, code='100') => " SELECT * FROM table_name WHERE age = 20 AND code = 100 "`
- `db.query('table_name').select().where(age=20)._and('code').eq(100) => " SELECT * FROM table_name WHERE age = 20 AND code = 100 "`
- `db.query('table_name').select().where('age').lt(100)._or('code').gte(10) => " SELECT * FROM table_name WHERE age < 20 OR code >= 100 "`

beesql

BeeSQL operations are executed through a database connection. Create a database connection using `connection()`.

MySQL

MySQL connection is used to operate on a MySQL database.

SQLite

SQLite connection is used to operate on a SQLite database.

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