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# KvsqLite

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# CONTENTS

|          |                     |           |
|----------|---------------------|-----------|
| <b>1</b> | <b>Features</b>     | <b>3</b>  |
| <b>2</b> | <b>Installation</b> | <b>5</b>  |
| <b>3</b> | <b>Usage</b>        | <b>7</b>  |
| <b>4</b> | <b>Tests</b>        | <b>9</b>  |
| <b>5</b> | <b>Benchmarking</b> | <b>11</b> |



**Kvsqlite** is easy, sample and powerful key-value database backed by sqlite3.



## FEATURES

- Fast and easy-to-use database
- Simultaneously **asynchronous** or **synchronous** calls
- Store any data supported by [pickle](#)





## INSTALLATION

```
pip install kvsqlite
```

From github (dev version)

```
pip install git+https://github.com/AYEMNJD/Kvsqlite
```



```
from kvsqllite import Client # For sync version do: from kvsqllite.sync import Client
import asyncio

async def main():
    async with Client("kv.sqlite") as db:

        key = "123-456-789"
        result = await db.set(key, "Hello world. Bye!")

        if await db.exists(key):
            get_key = await db.get(key)

            print(get_key) # Hello world. Bye!

            await db.delete(key)
        else:
            print("Key not found", result)

        await db.close()

asyncio.run(main())
```



## TESTS

**KvsqLite** tests available at `test/`, which you can run it by:

```
python3 -m pytest test/ -v
```

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**Note:** Make sure that `pytest` and `pytest-asyncio` is installed.

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## BENCHMARKING

**Kvsqlite** benchmarking available at `benchmark/`, which you can run it by:

```
python3 benchmark/benchmark_kvsqlite.py --query-count 100000
```

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**Note:** Make sure that `psutil` is installed.

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