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**puchikarui**

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Welcome to puchikarui's documentation!

A minimalist SQLite helper library for Python 3 which supports ORM features.



## INSTALLATION

puchikarui is available on [PyPI](#) and can be installed using `pip`.

```
pip install puchikarui
```





## SAMPLE CODE

```
from puchikarui import Database

INIT_SCRIPT = '''
CREATE TABLE person (
    ID INTEGER PRIMARY KEY AUTOINCREMENT,
    name TEXT,
    age INTEGER
);
'''

class PeopleDB(Database):
    def __init__(self, *args, **kwargs):
        super().__init__(*args, **kwargs)
        self.add_script(INIT_SCRIPT)
        self.add_table('person', ['ID', 'name', 'age'], id_cols=('ID',))

db = PeopleDB('test.db')
people = db.person.select()
# create sample people records in the first run
if not people:
    print("Creating people records ...")
    for name, age in zip('ABCDE', range(20, 25)):
        db.person.insert(f'Person {name}', age)
    people = db.person.select()

print("All people")
print("-----")
for person in people:
    print(person.ID, person.name, person.age)
```

For more examples please see the demo files

```
python3 demo_helloworld.py
python3 demo_orm.py
```



## WHY PUCHIKARUI

`puchikarui` is a tiny, 100% pure-Python library that provides extra functionality to Python 3's `sqlite3` module. It helps working directly with `sqlite3` easier, with less magic, and more control, rather than hiding `sqlite3` module away from the users.

Although `puchikarui` does provide some ORM-like features, it is *NOT* an ORM library. If you want ORM features, please consider `PonyORM`, `SQLAlchemy`, or `peewee`.



## MEANING

The name `puchikarui` came from two Japanese words (`puchi`) which means small, and (`karui`), which means light, soft, and gentle.

It represents the motivation for developing this library: a tiny, lightweight library that makes working with `sqlite3` simpler.

```
$ python3 -m jamdict lookup ""
=====
Found entries
=====
Entry: 1115200 | Kj:   | Kn:
-----
1. small ((prefix))

$ python3 -m jamdict lookup ""
=====
Found entries
=====
Entry: 1252560 | Kj:   | Kn: ,
-----
1. light (i.e. not heavy)/feeling light (i.e. offering little resistance, moving easily) ↵
   ↳((adjective (keiyoushi)))
2. light (i.e. of foot)/effortless/nimble/agile ((adjective (keiyoushi)))
3. non-serious/minor/unimportant/trivial ((adjective (keiyoushi)))
4. slight/small/gentle/soft/easy/lighthearted (e.g. joke) ((adjective (keiyoushi)))
5. easy/simple ((adjective (keiyoushi)))
6. indiscriminate ((adjective (keiyoushi)))
```

## 4.1 Demo code



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`