



PeeWee Tutorial

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What is PeeWee

PeeWee is a simple and small ORM (Object Relational Mapping). It has few (but expressive) concepts, making it easy to learn and intuitive to use.

Allows users to connect to a database and perform actions with the data

Main 3 functions:

- [Model Definition](#)
- [Storing data](#)
- [Retrieving Data](#)



Model Definition

Model classes, fields and model instances all map to database concepts:

Object	Corresponds To
Model class	Database Table
Field instance	Column on the Table
Model instance	Row in a Database table



Storing Data

- Create() method - used to create new instances (rows)
- Save() method - used to update instances and returns number of changed rows
- delete_instance() method - deletes a row from the table

Example:

```
uncle_bob = Person(name='Bob', birthday=date(1960, 1, 15))
```

```
uncle_bob.save() # bob is now stored in the database
```

```
# Returns: 1
```



Retrieving Data

PeeWee allows data retrieval through Queries

```
query = Pet.select().where(Pet.animal_type == 'cat')
```

```
for pet in query:
```

```
    print(pet.name, pet.owner.name)
```