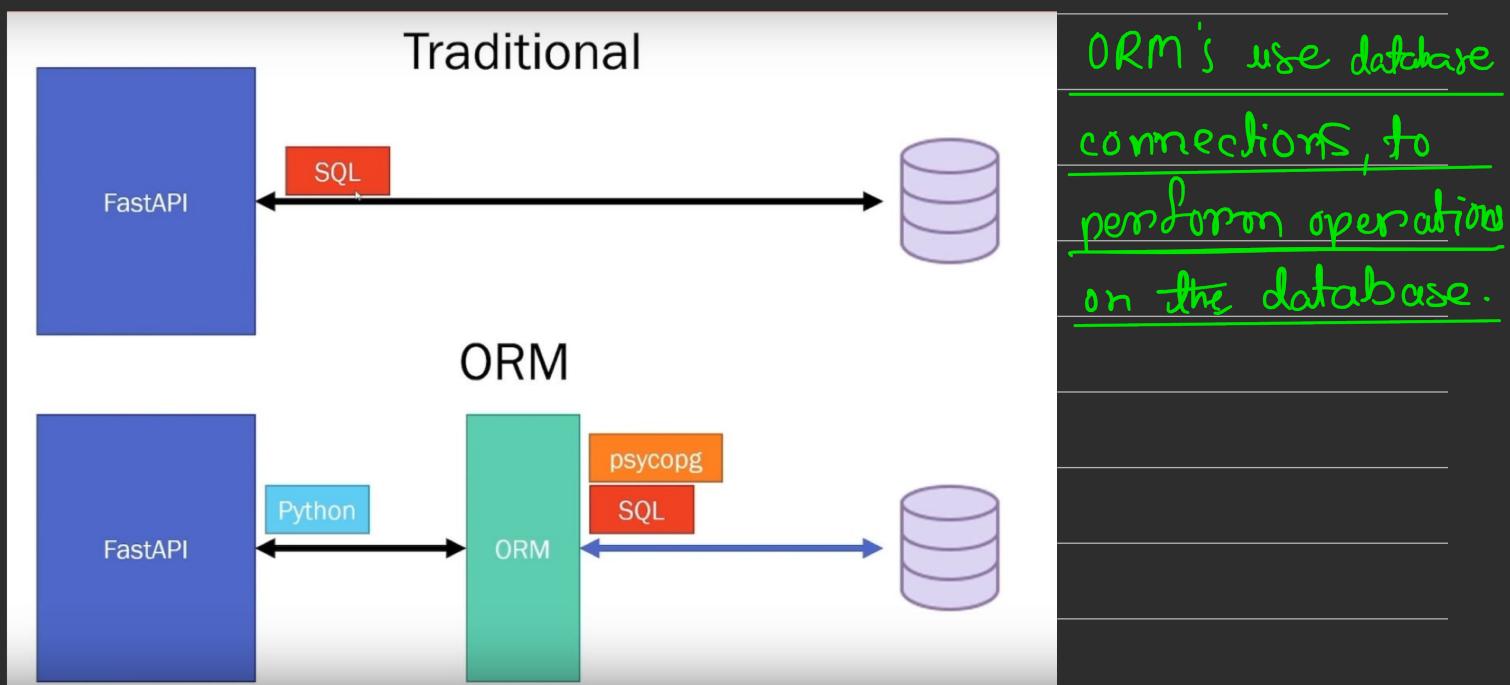


# OBJECT RELATIONAL MAPPER (ORM) :-

- ORM is a layer of abstraction that exists b/w Database and an Object Oriented Programming
- ORM maps an Object with records of Relation/ Table in database.  
ORM maps object attributes to respective fields/columns of table.
- Using ORM, we can perform all database operations using the codes & statements of the programming language itself — there is no need for SQL queries.



- Instead of defining tables manually, we define our tables as Python models (which are classes in Python)

## model class definition

```
class Post(Base):
    __tablename__ = "posts"

    id = Column(Integer, primary_key=True, index=True)
    title = Column(String, index=True, nullable=False)
    content = Column(String, nullable=False)
    published = Column(Boolean)
```

⇒ SQLAlchemy is one of the most popular ORM for python.

⇒ It is a standalone independent library, and can be used with any Python application or framework.