

OPEN FILES

- application.py

FOLDERS

- api
- .venv
 - bin
 - include
 - lib
 - pyenv.cfg
 - __pycache__
- application.py
- requirements.txt

```
1 from flask import Flask
2 app = Flask(__name__)
3 from flask_sqlalchemy import SQLAlchemy
4
5
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
```

Python 3.7.3 (default, Apr 24 2020, 18:51:23)

[Clang 11.0.3 (clang-1103.0.32.62)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

>>> from application import db



The screenshot shows a code editor with a dark theme. On the left, there's a sidebar titled 'OPEN FILES' and 'FOLDERS'. Under 'OPEN FILES', 'application.py' is listed. Under 'FOLDERS', there's a 'api' folder containing '.venv', 'bin', 'include', 'lib', 'pyenv.cfg', '_pycache_', 'application.py', 'data.db', and 'requirements.txt'. The main area displays the following Python code:

```
1 from flask import Flask
2 app = Flask(__name__)
3 from flask_sqlalchemy import SQLAlchemy
4
5
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
```

adds significant overhead and will be disabled by default in the future. Set it to True or False to suppress this warning.

```
'SQLALCHEMY_TRACK_MODIFICATIONS adds significant overhead and '
>>> db.create_all()
>>> drink = Drink(name="Grape Soda", description="Tastes like grapes")
```



OPEN FILES application.py

FOLDERS

- api
- .venv
 - bin
 - include
 - lib
 - pyenv.cfg
 - __pycache__
- application.py
- data.db
- requirements.txt

```
1 from flask import Flask
2 app = Flask(__name__)
3 from flask_sqlalchemy import SQLAlchemy
4
5
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
>>> drink = Drink(name="Grape Soda", description="Tastes like grapes")
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'Drink' is not defined
>>> |
```

Line 8, Column 1

P master 4/1000 Spaces 4 Python

SUBSCRIBE

The screenshot shows a code editor interface with a dark theme. On the left, there's a sidebar titled "OPEN FILES" and "FOLDERS". Under "OPEN FILES", "application.py" is listed. Under "FOLDERS", there's a ".venv" folder containing "bin", "include", "lib", "pyenv.cfg", and ".pycache". Below these are "application.py", "data.db", and "requirements.txt".

```
OPEN FILES
application.py
FOLDERS
api
.venv
bin
include
lib
pyenv.cfg
.pycache_
application.py
data.db
requirements.txt

1 from flask import Flask
2 app = Flask(__name__)
3 from flask_sqlalchemy import SQLAlchemy
4
5
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
>>> from application import Drink
>>> drink = Drink(name="Grape Soda", description="Tastes like grapes")
>>> drink
Grape Soda - Tastes like grapes
>>>
```

At the bottom right, there's a green "SUBSCRIBE" button with a "C" icon.

The screenshot shows a code editor interface with a dark theme. On the left, there's a sidebar titled 'OPEN FILES' and 'FOLDERS'. Under 'OPEN FILES', 'application.py' is listed. Under 'FOLDERS', there's a folder structure: '.env', 'api', 'bin', 'include', 'lib', '_pycache__', 'application.py', 'data.db', and 'requirements.txt'. The main area displays Python code:

```
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
14
15     def __repr__(self):
16         return f'{self.name} - {self.description}'
17
18
```

```
>>> drink = Drink(name="Grape Soda", description="Tastes like grapes")
>>> drink
Grape Soda - Tastes like grapes
>>> db.session.add(drink)
>>> dr.session.commit()
```



OPEN FILES application.py

FOLDERS .venv
api
bin
include
lib
pyenv.cfg
__pycache__
application.py
data.db
requirements.txt

```
5
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
14
15     def __repr__(self):
16         return f'{self.name} - {self.description}'
17
18
```

```
>>> dr.session.commit()
```

```
Traceback (most recent call last):
```

```
  File "<stdin>", line 1, in <module>
```

```
NameError: name 'dr' is not defined
```

```
>>> db.session.commit()
```



SUBSCRIBE

OPEN FILES application.py

FOLDERS .venv
api
bin
include
lib
pyenv.cfg
__pycache__
application.py
data.db
requirements.txt

```
5
6 app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///data.db'
7 db = SQLAlchemy(app)
8
9
10 class Drink(db.Model):
11     id = db.Column(db.Integer, primary_key=True)
12     name = db.Column(db.String(80), unique=True, nullable=False)
13     description = db.Column(db.String(120))
14
15     def __repr__(self):
16         return f'{self.name} - {self.description}'
17
18
```

```
>>>
>>>
>>> Drink.query.all()
[Grape Soda - Tastes like grapes]
>>>
```



SUBSCRIBE

The screenshot shows a code editor interface with a dark theme. On the left, there's a sidebar titled 'OPEN FILES' and 'FOLDERS'. Under 'OPEN FILES', 'application.py' is listed. Under 'FOLDERS', there's a 'api' folder containing 'application.py', 'data.db', and 'requirements.txt'. The main area displays the Python code for a Flask application:

```
OPEN FILES
application.py
FOLDERS
api
.venv
bin
include
lib
pyenv.cfg
_pycache_
application.py
data.db
requirements.txt

24 @app.route('/drinks')
25 def get_drinks():
26     drinks = Drink.query.all()
27
28     output = []
29     for drink in drinks:
30         drink_data = {'name': drink.name, 'description': drink.
31                         description}
32
33         output.append(drink_data)
34
35     return {"drinks": output}

>>> db.session.commit()
>>> Drink.query.all()
[Grape Soda - Tastes like grapes, Cherry - Tastes like that one ice cream]
>>> exit()
(.venv) calebcurry@Calebs-iMac api % flask run
 * Serving Flask app "application.py" (lazy loading)
```

The code defines a route '/drinks' that returns a list of drink objects. Each drink object is represented as a dictionary with 'name' and 'description' keys. The code then commits changes to the database and prints the results of querying all drinks.

```
30     drink_data = {'name': drink.name, 'description': drink.description}
31
32     output.append(drink_data)
33
34     return {"drinks": output}
35
36
37 @app.route('/drinks/<id>')
38 def get_drink(id):
39     drink = Drink.query.get_or_404(id)
40     return {"name": drink.name, "description": drink.description}
41
42
43 @app.route('/drinks', methods=['POST'])
44 def add_drink():
45     drink = Drink(name=request.json['name'],
46                   description=request.json['description'])
47     db.session.add(drink)
48     db.session.commit()
49     return {'id': drink.id}
50
```



C

SUBSCRIBE

P master

UTF-8

Spaces: 4

Python