

Usage Guide for Bee Aware Forum

Team QuadTree

1. Download the platform for running

1. Download VSCode or PyCharm

PyCharm download link: <https://www.jetbrains.com/pycharm/>

PyCharm download link: [Download Visual Studio Code - Mac, Linux, Windows](#)

2. Download Python

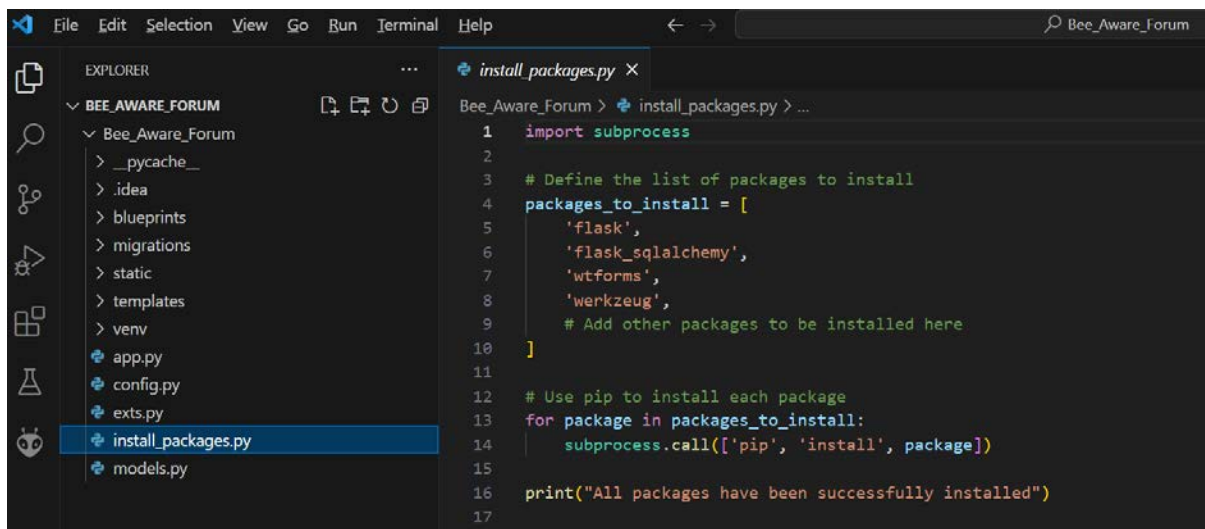
Python download link: [Python Release Python 3.10.11 | Python.org](#)

2. Project files and packages download.

1. Project files link: https://github.com/Jieniljienl/Bee_Aware_Forum_QuadTree.git

2. Open the project folder **Bee_Aware_Forum**, run the **install_packages.py** to install all the required packages.

3. If there are any other potentially needed packages to download, please add them to the list '**packages_to_install**' and then run **install_packages.py** again.

A screenshot of a Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'BEE_AWARE_FORUM' with a subfolder 'Bee_Aware_Forum'. Inside this folder, there are files like '__pycache__', '.idea', 'blueprints', 'migrations', 'static', 'templates', 'venv', 'app.py', 'config.py', 'exts.py', 'install_packages.py' (which is highlighted), and 'models.py'. The main editor area shows the 'install_packages.py' file with the following Python code:

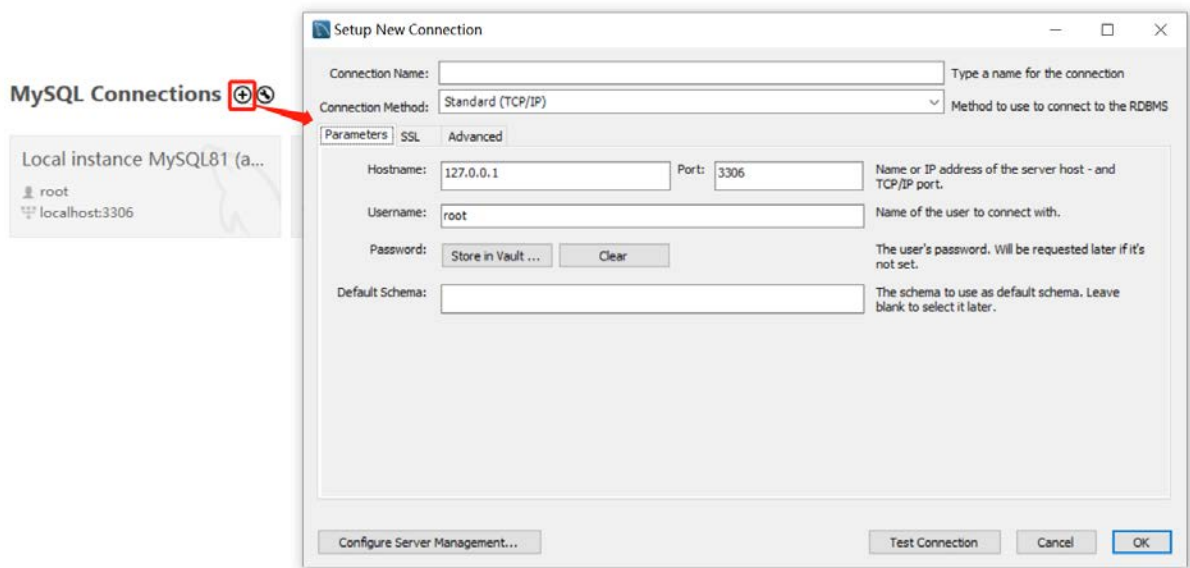
```
1 import subprocess
2
3 # Define the list of packages to install
4 packages_to_install = [
5     'flask',
6     'flask_sqlalchemy',
7     'wtforms',
8     'werkzeug',
9     # Add other packages to be installed here
10 ]
11
12 # Use pip to install each package
13 for package in packages_to_install:
14     subprocess.call(['pip', 'install', package])
15
16 print("All packages have been successfully installed")
17
```

3. Download the database platform (MySQL)

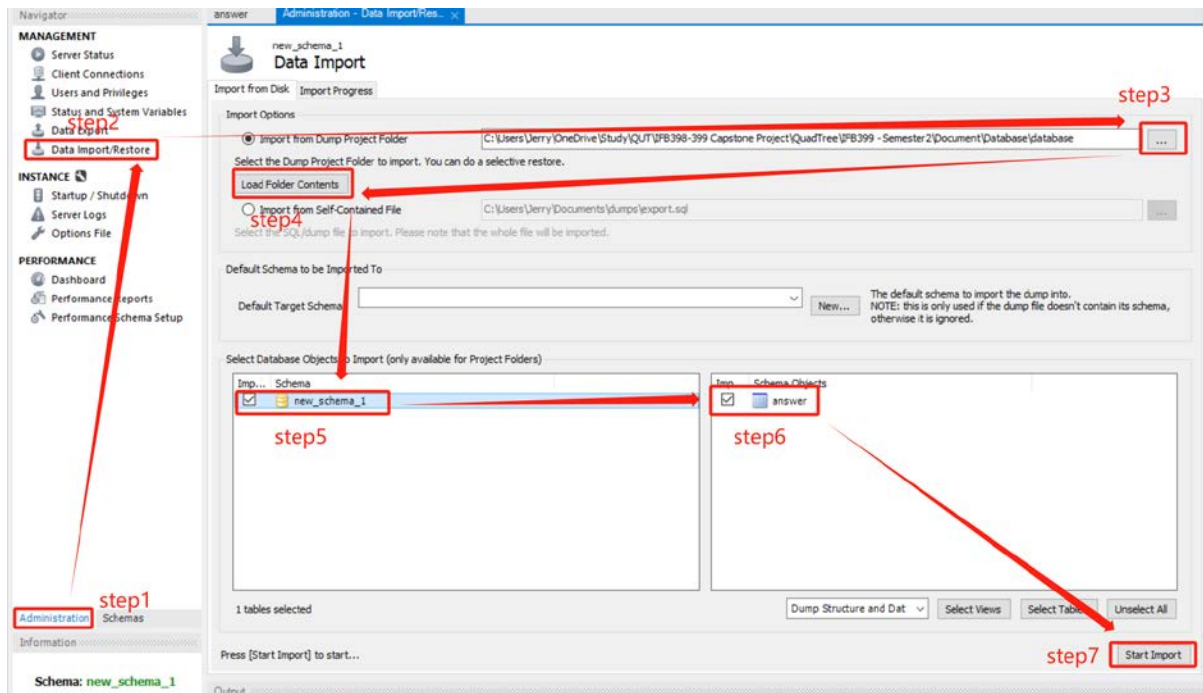
1. Download MySQL via <https://www.mysql.com/downloads/>

2. Download MySQL Workbench via <https://dev.mysql.com/downloads/workbench/>

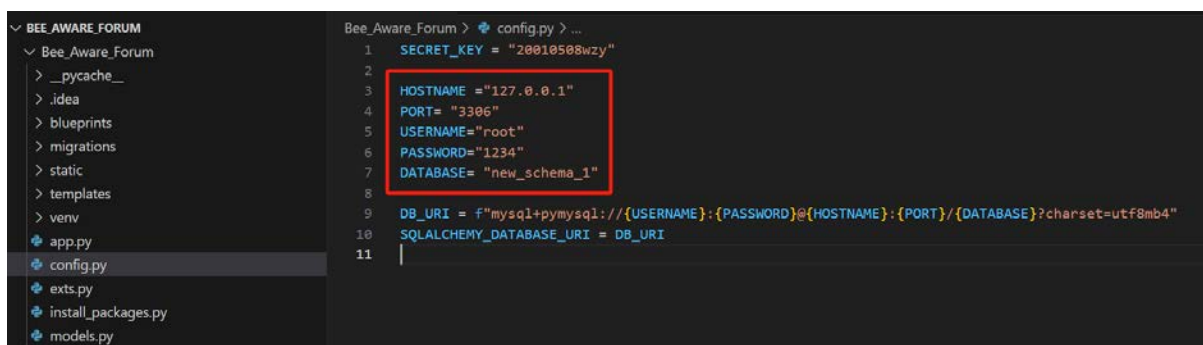
3. Open MySQL Workbench and setup a new database connection



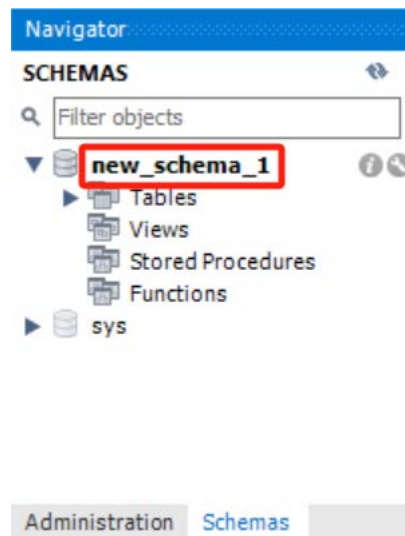
4. Import data following the steps below.



5. Open the project file, locate the config.py file, and modify the following variables based on the database you intend to use.



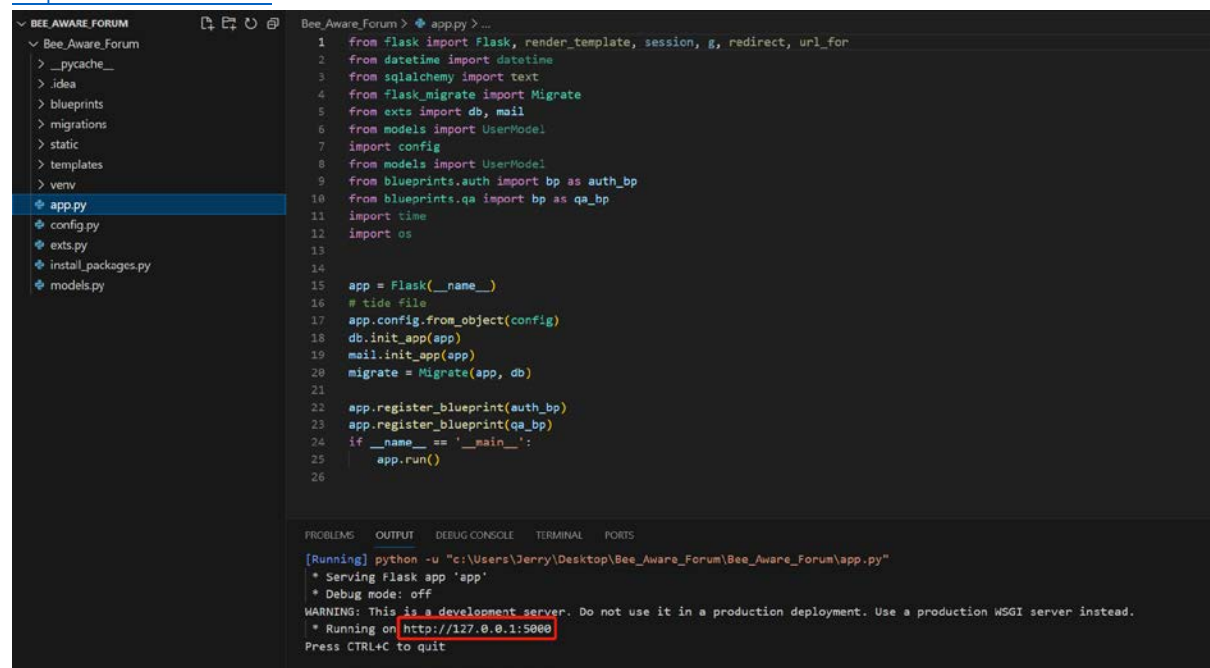
The value of the variable DATABASE is the name of the schema, as referenced in the picture below.



4. Run the project

In the project folder, run the app.py file, and open the following URL in the Chrome browser

<http://127.0.0.1:5000/>



```
1 from flask import Flask, render_template, session, g, redirect, url_for
2 from datetime import datetime
3 from sqlalchemy import text
4 from flask_migrate import Migrate
5 from exts import db, mail
6 from models import UserModel
7 import config
8 from models import UserModel
9 from blueprints.auth import bp as auth_bp
10 from blueprints.qa import bp as qa_bp
11 import time
12 import os
13
14
15 app = Flask(__name__)
16 # tide file
17 app.config.from_object(config)
18 db.init_app(app)
19 mail.init_app(app)
20 migrate = Migrate(app, db)
21
22 app.register_blueprint(auth_bp)
23 app.register_blueprint(qa_bp)
24 if __name__ == '__main__':
25     app.run()
26
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
[Running] python -u "c:\Users\Jerry\Desktop\Bee_Aware_Forum\Bee_Aware_Forum\app.py"
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```