

Python & MySQL Setup Guide Step by Step

By following these steps, you'll have a properly configured virtual environment with the necessary libraries for your Python project. The issue lies in the way you're trying to execute the commands within a code block. You should be executing these commands directly in your terminal or command prompt, not within a Python script.

Here's how you should proceed:

1. **Open your terminal or command prompt.**

2. **Check Python version:**

```
python --version (In this project we use version 3.13.1)
```

3. **Create a virtual environment:**

```
python -m venv myenv
```

4. **Activate the virtual environment:**

```
myenv\Scripts\activate.bat
```

5. **Check installed packages (should be empty initially):**

```
pip list
```

6. **Install setuptools and wheel:**

```
pip install --upgrade pip  
pip install setuptools wheel
```

7. **Install Necessary Libraries:**

```
pip install prettytable  
pip install bcrypt
```

8. **Check installed packages again (should include setuptools and wheel and necessary libraries):**

```
pip list
```

9. Install MySQL Connector:

```
pip install mysql-connector-python
```

10. Check installed packages again (should include MySQL Connector):

```
pip list
```

11. Create a requirements.txt file:

```
pip freeze > requirements.txt
```

This will create a requirements.txt file in the current directory, listing all the installed packages and their versions within your virtual environment.

Note:

- Replace myenv with the desired name for your virtual environment.
- The activate.bat script is specific to Windows. If you are using macOS or Linux, use source myenv/bin/activate instead.

By following these steps, you should be able to successfully create a virtual environment, install the necessary packages, and generate a requirements.txt file.

