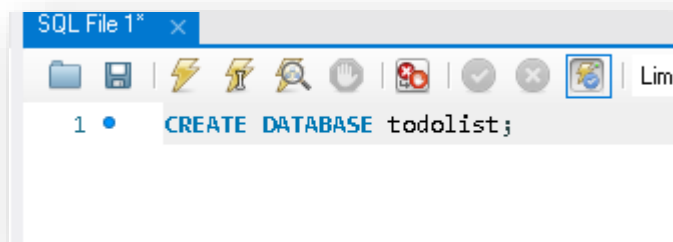


# To-Do List Application with MySQL Database

## Database Setup:

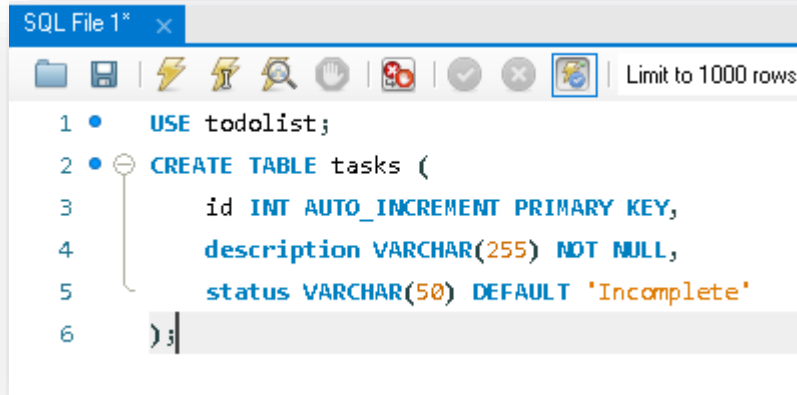
### Create a Database

Open MySQL and create a database called `todolist`:



### Create a Table

Inside the `wscube` database, create a table called `tasks`:



# Application Setup:

## 1. Configure Database Connection

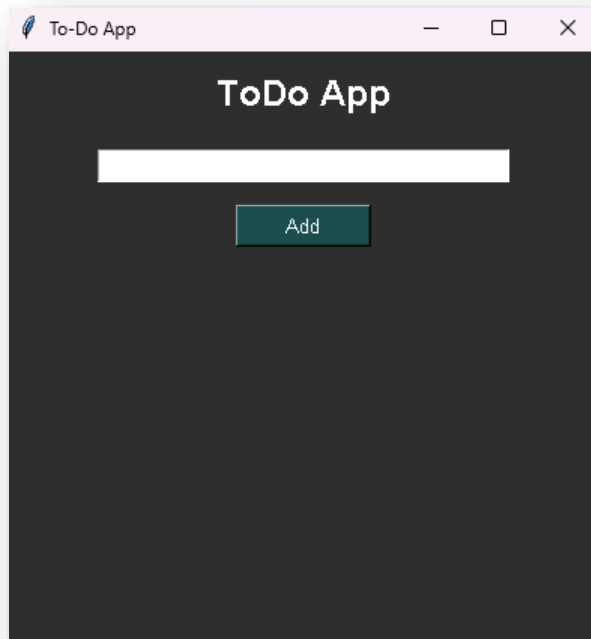
In the `create_connection()` function, replace `user` and `password` with your MySQL username and password:

```
# Establish a connection to the MySQL database
connection = mysql.connector.connect(
    host='localhost',
    user='your_username',          # Replace with your MySQL username
    password='your_password',     # Replace with your MySQL password
    database='todolist'
)
```

## How to Use the Application

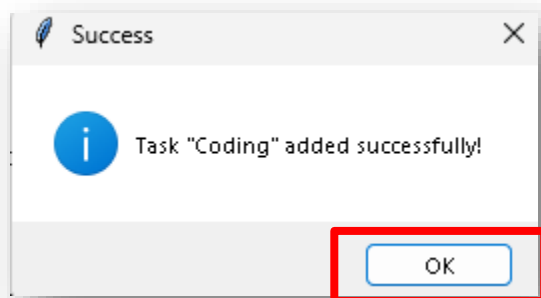
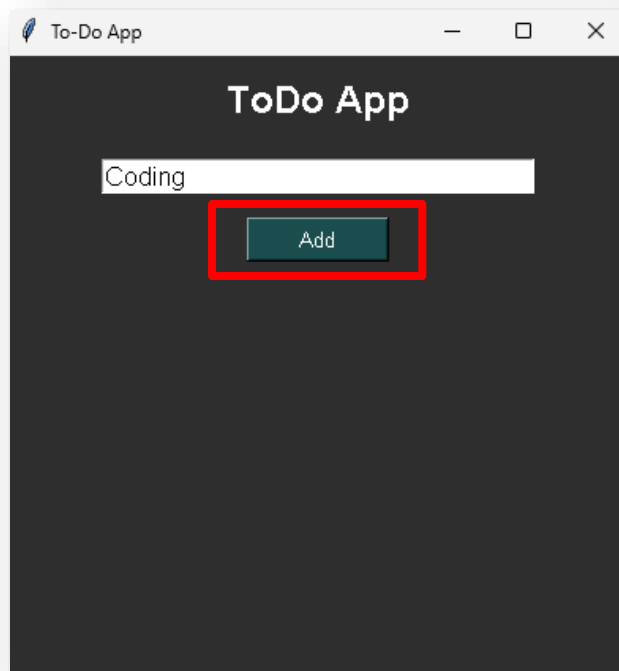
### 1. Start the Application

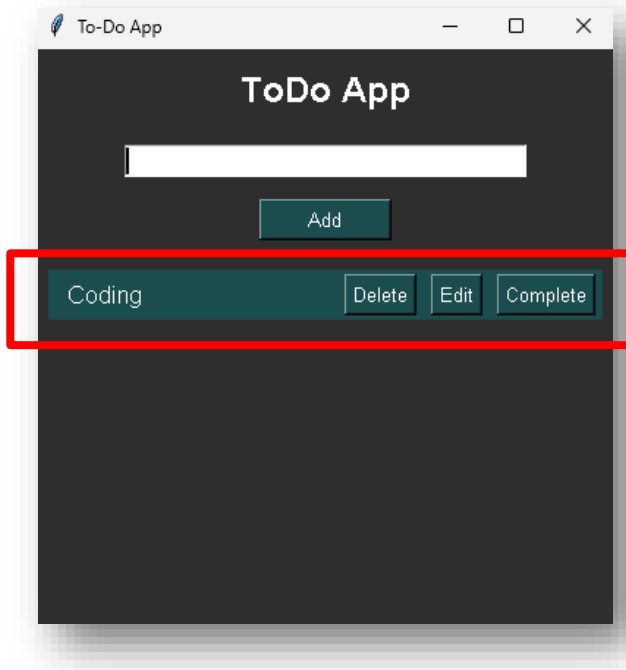
Run the Python script. A GUI window will open with the title “ToDo App.”



## 2. Add a Task

- Enter the task description in the input field.
- Click the **Add** button to add the task to the list. If successful, a message will confirm the addition.



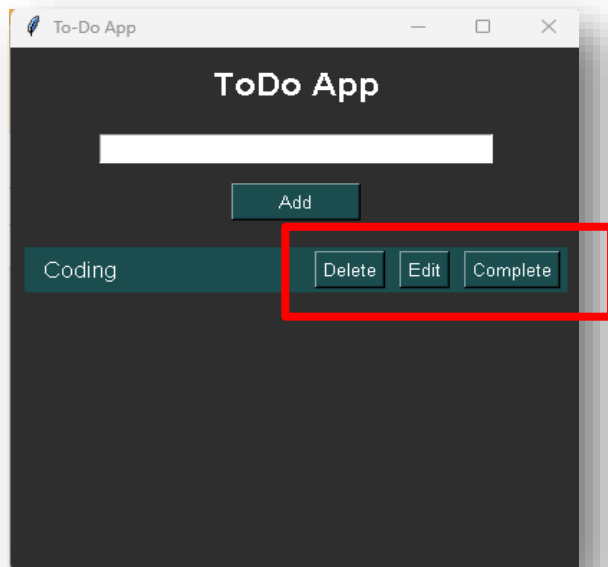


Result Grid				
	id	description	status	timestamp
▶	24	Coding	Incomplete	2024-11-07 16:26:48
✱	NULL	NULL	NULL	NULL

### 3. View Tasks

All tasks are displayed in a list below the input field. Each task includes:

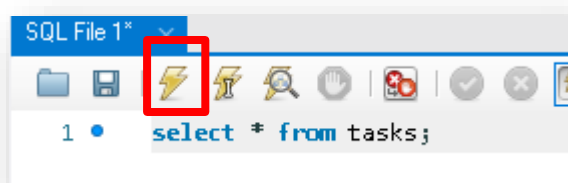
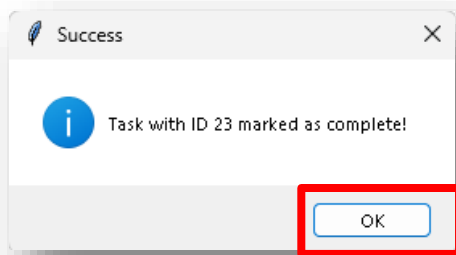
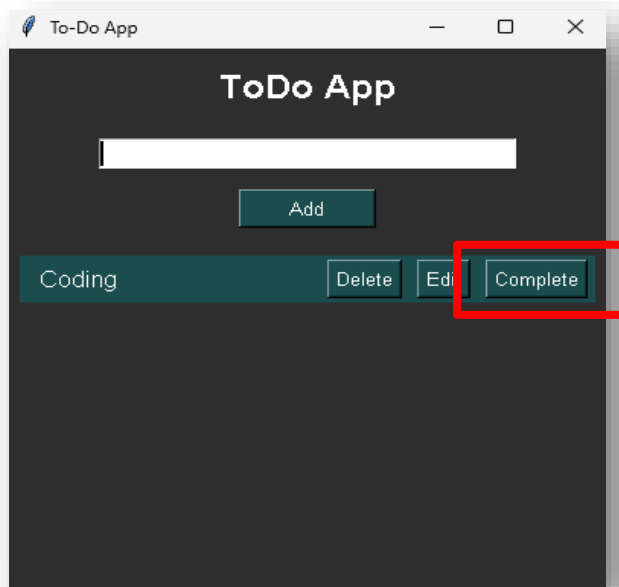
- A **Complete** button to mark it as complete.
- An **Edit** button to modify the description.
- A **Delete** button to remove the task.



#### 4. Mark Task as Complete

Click **Complete** to mark a task as completed. This updates the task's status in the database.

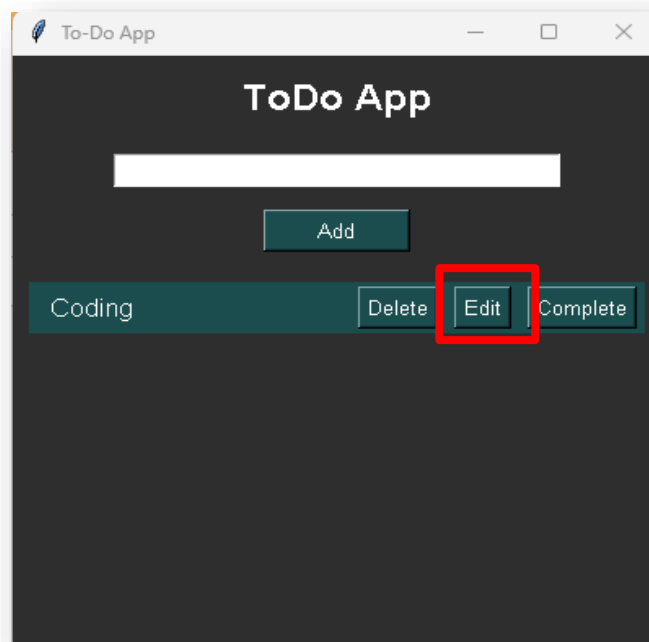
Result Grid				
	id	description	status	timestamp
▶	24	Coding	Incomplete	2024-11-07 16:26:48
✱	NULL	NULL	NULL	NULL

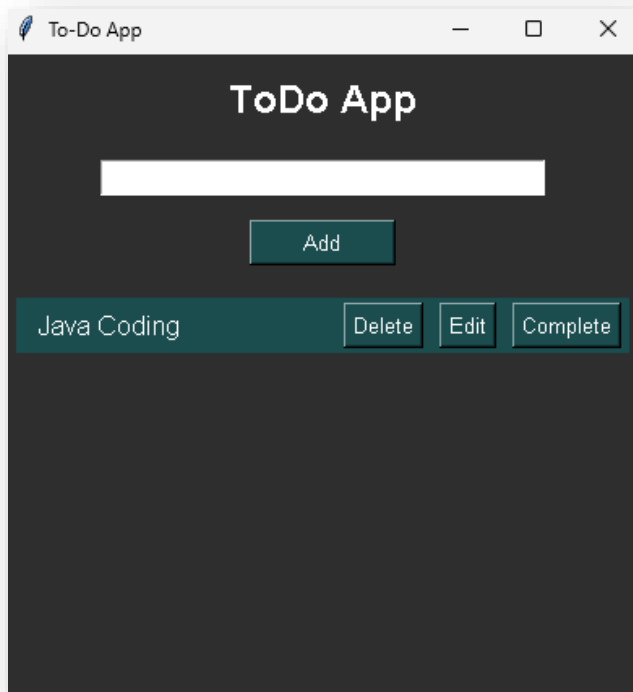
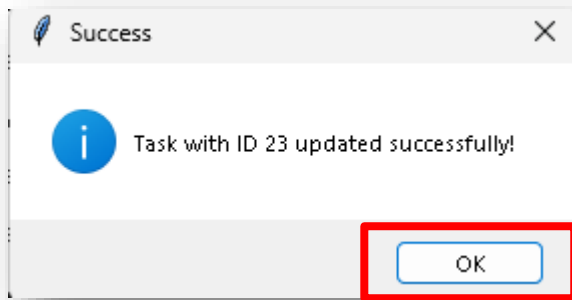
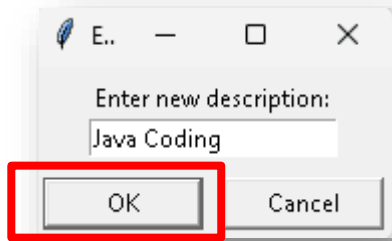


Result Grid				
	id	description	status	timestamp
▶	23	Coding	Complete	2024-11-07 16:05:46
✱	NULL	NULL	NULL	NULL




## 5. Edit a Task

Click **Edit** to change the task description. A dialog will appear to enter the new description. If confirmed, the task will be updated in the database.





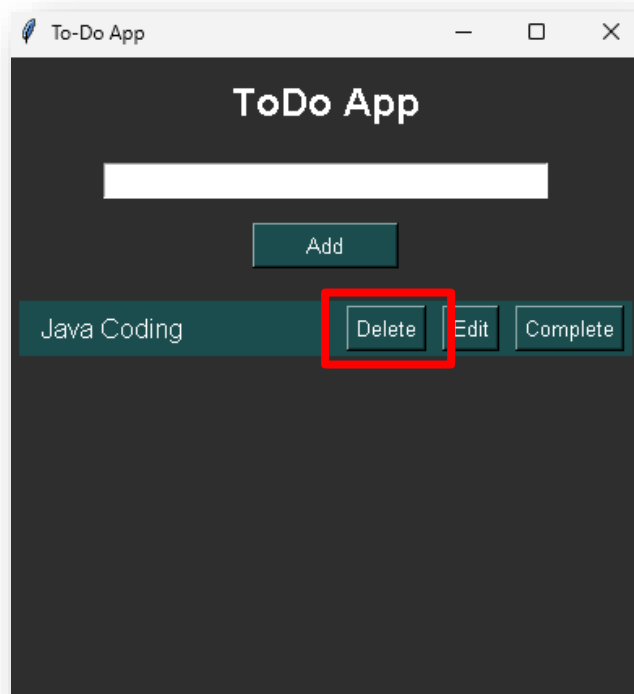


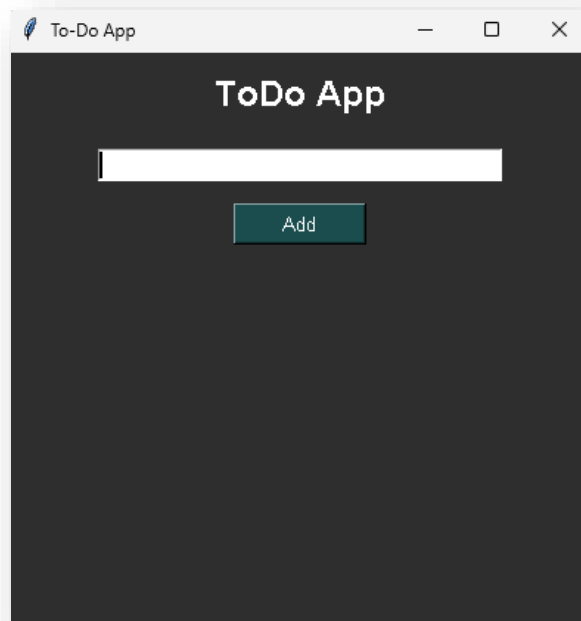
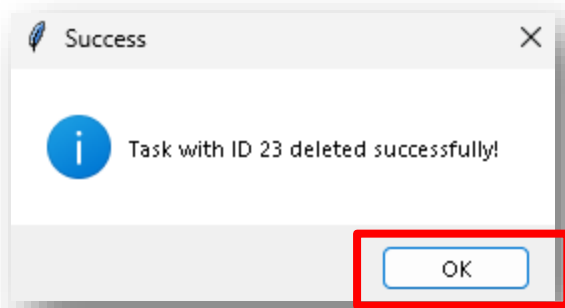
Result Grid   Filter Rows:  Edit: 



	id	description	status	timestamp
▶	24	Java Coding	Incomplete	2024-11-07 16:26:48
✱	NULL	NULL	NULL	NULL

## 6. Delete a Task

Click **Delete** to remove the task from the list and database. A message will confirm deletion.





Result Grid   Filter Rows:

	id	description	status	timestamp
*	NULL	NULL	NULL	NULL