

Mini project

Source code:

```
# To-Do List Application

# Global variable to store the to-do list
tasks = []

# Function to add a task to the to-do list
def add_task(task):
    tasks.append({"task": task, "completed": False})
    print(f'Task "{task}" added successfully!')

# Function to delete a task from the to-do list
def delete_task(task):
    for t in tasks:
        if t["task"] == task:
            tasks.remove(t)
            print(f'Task "{task}" deleted successfully!')
            return
    print(f'Task "{task}" not found in the to-do list.')

# Function to display the list of tasks
def display_tasks():
    if not tasks:
        print("No tasks in the to-do list.")
    else:
        print("To-Do List:")
        for i, task in enumerate(tasks, 1):
            status = "Done" if task["completed"] else "Pending"
```

```
print(f'{i}. {task["task"]} - {status}')
```

```
# Function to mark a task as complete
```

```
def mark_as_complete(task):
```

```
    for t in tasks:
```

```
        if t["task"] == task:
```

```
            t["completed"] = True
```

```
            print(f'Task "{task}" marked as complete!')
```

```
            return
```

```
    print(f'Task "{task}" not found in the to-do list.')
```

```
# Main function to run the to-do list application
```

```
def main():
```

```
    while True:
```

```
        print("\nTo-Do List Application")
```

```
        print("1. Add Task")
```

```
        print("2. Delete Task")
```

```
        print("3. Display Tasks")
```

```
        print("4. Mark Task as Complete")
```

```
        print("5. Exit")
```

```
        choice = input("Enter your choice (1-5): ")
```

```
        if choice == "1":
```

```
            task = input("Enter the task: ")
```

```
            add_task(task)
```

```
        elif choice == "2":
```

```
            task = input("Enter the task to delete: ")
```

```
            delete_task(task)
```

```
        elif choice == "3":
```

```
            display_tasks()
```

```
        elif choice == "4":
```

```

    task = input("Enter the task to mark as complete: ")

    mark_as_complete(task)

elif choice == "5":

    print("Exiting the application. Goodbye!")

    break

else:

    print("Invalid choice. Please enter a number between 1 and 5.")

if __name__ == "__main__":

    main()

```

Output:

```

Python Debug Console
Exit
Create

Exit
To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 1
Enter the task: python
Task "python" added successfully!

To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 3
To-Do List:
1. python - Pending

To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 4
Enter the task to mark as complete: python
Task "python" marked as complete!

To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit

```

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```
42 | print("\n Add Task")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Enter your choice (1-5): 3
To-Do List:
1. python - Done

To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 2
Enter the task to delete: python
Task "python" deleted successfully!

To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 3
No tasks in the to-do list.

To-Do List Application
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 5
Exiting the application. Goodbye!
PS C:\Users\dileep\OneDrive\Desktop\html>
```

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