

```
# Simple To-Do List Application
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```
# Initialize an empty list to hold the  
tasks
```

```
tasks = []
```

```
def show_menu():
```

```
    print("\nTo-Do List Menu:")
```

```
    print("1. View Tasks")
```

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

```
    print("3. Mark Task as Complete")
```

```
    print("4. Delete Task")
```

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

```
def view_tasks():
```

```
    if not tasks:
```

```
        print("\nNo tasks in the list!"  
            )
```

```
    else:
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```
        print("\nYour To-Do List:")
```

```
        for idx, task in enumerate  
            (tasks, 1):
```

```
            status = "✓" if
```

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            task["completed"] else
                "x"
        print(f"{idx}. [{status}]
              {task['title']}")

def add_task():
    title = input("\nEnter task title:
                  ")
    tasks.append({"title": title,
                  "completed": False})
    print(f"Task '{title}' added to the
          list.")

def mark_task_complete():
    view_tasks()
    try:
        task_num = int(input("\nEnter
                             the task number to mark as
                             complete: "))
        tasks[task_num -
              1]["completed"] = True
        print("Task marked as
              complete!")

```



```
except (ValueError, IndexError):  
    print("Invalid task number!")
```

```
def delete_task():  
    view_tasks()  
    try:  
        task_num = int(input("\nEnter  
the task number to delete:  
"))  
        removed_task = tasks.pop  
            (task_num - 1)  
        print(f"Task  
            '{removed_task['title']}'  
            deleted.")  
    except (ValueError, IndexError):  
        print("Invalid task number!")
```

```
while True:  
    show_menu()  
    choice = input("Choose an option: "  
        )  
  
    if choice == "1":  
        view_tasks()  
    elif choice == "2":  
        add_task()
```

Run

```
while True:
    show_menu()
    choice = input("Choose an option: ")

    if choice == "1":
        view_tasks()
    elif choice == "2":
        add_task()
    elif choice == "3":
        mark_task_complete()
    elif choice == "4":
        delete_task()
    elif choice == "5":
        print("Goodbye!")
        break
    else:
        print("Invalid choice!
              select from the menu.")
```

Run

To-Do List Menu:

1. View Tasks
2. Add Task
3. Mark Task as Complete
4. Delete Task
5. Exit

Choose an option: 2

Enter task title: today I am going to library
Task 'today I am going to library' added to
the list.

To-Do List Menu:

1. View Tasks
2. Add Task
3. Mark Task as Complete
4. Delete Task
5. Exit

Choose an option: |