task-1

In [5]:

```
# Define an empty dictionary to store tasks
tasks = {}

def add_task():
    title = input("Enter task title: ")
    description = input("Enter task description: ")
    due_date = input("Enter task due date (YYYY-MM-DD): ")
    priority = input("Enter task priority (low, medium, high): ")

    tasks[title] = {
        'description': description,
        'due_date': due_date,
        'priority': priority,
        'completed': False
    }
    print("Task added successfully!")

def view_tasks():
    if not tasks:
        print("No tasks found.")
    else:
        for title, details in tasks.items():
            print(f"Title: {title}")
            print(f"Description: {details['description']}")
            print(f"Due Date: {details['due_date']}")
            print(f"Priority: {details['priority']}")
            print(f"Completed: {'Yes' if details['completed'] else 'No'}")
            print("-" * 30)

def update_task():
    title = input("Enter the title of the task to update: ")
    if title in tasks:
        description = input("Enter updated task description (press enter to
        due_date = input("Enter updated due date (YYYY-MM-DD) (press enter t
        priority = input("Enter updated priority (low, medium, high) (press

        if description:
            tasks[title]['description'] = description
        if due_date:
            tasks[title]['due_date'] = due_date
        if priority:
            tasks[title]['priority'] = priority

        print("Task updated successfully!")
    else:
        print("Task not found.")

def delete_task():
    title = input("Enter the title of the task to delete: ")
    if title in tasks:
        del tasks[title]
        print("Task deleted successfully!")
    else:
        print("Task not found.")

def main():
    while True:
        print("\n=== To-Do List Menu ===")
        print("1. Add Task")
        print("2. View Tasks")
        print("3. Update Task")
```

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        print("4. Delete Task")
        print("5. Exit")

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

        if choice == '1':
            add_task()
        elif choice == '2':
            view_tasks()
        elif choice == '3':
            update_task()
        elif choice == '4':
            delete_task()
        elif choice == '5':
            print("Exiting program.")
            break
        else:
            print("Invalid choice. Please try again.")

if __name__ == "__main__":
    main()
```

```
=== To-Do List Menu ===
1. Add Task
2. View Tasks
3. Update Task
4. Delete Task
5. Exit
Enter your choice (1-5): 1
Enter task title: cricket
Enter task description: sports
Enter task due date (YYYY-MM-DD): 2023-28-18
Enter task priority (low, medium, high): high
Task added successfully!

=== To-Do List Menu ===
1. Add Task
2. View Tasks
3. Update Task
4. Delete Task
5. Exit
Enter your choice (1-5): 2
Title: cricket
Description: sports
Due Date: 2023-28-18
Priority: high
Completed: No
------------------------------

=== To-Do List Menu ===
1. Add Task
2. View Tasks
3. Update Task
4. Delete Task
5. Exit
Enter your choice (1-5): 3
Enter the title of the task to update: cricket
Enter updated task description (press enter to keep current): sports
Enter updated due date (YYYY-MM-DD) (press enter to keep current): 2022-05
-25
Enter updated priority (low, medium, high) (press enter to keep current):
high
Task updated successfully!

=== To-Do List Menu ===
1. Add Task
2. View Tasks
3. Update Task
4. Delete Task
5. Exit
Enter your choice (1-5): 4
Enter the title of the task to delete: cricket
Task deleted successfully!

=== To-Do List Menu ===
1. Add Task
2. View Tasks
3. Update Task
4. Delete Task
5. Exit
```

```
Enter your choice (1-5): 5
Exiting program.
```

In [ ]: