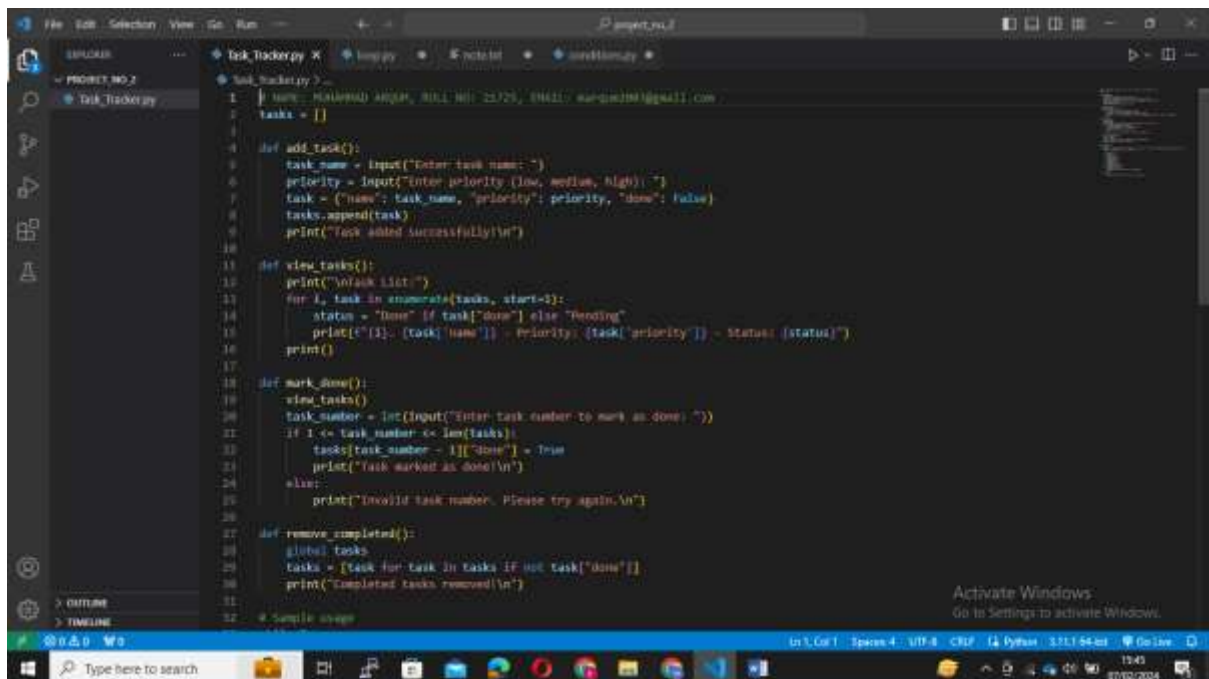


## MUHAMMAD ARQUM SATTAR UDDIN

### Task Tracker:

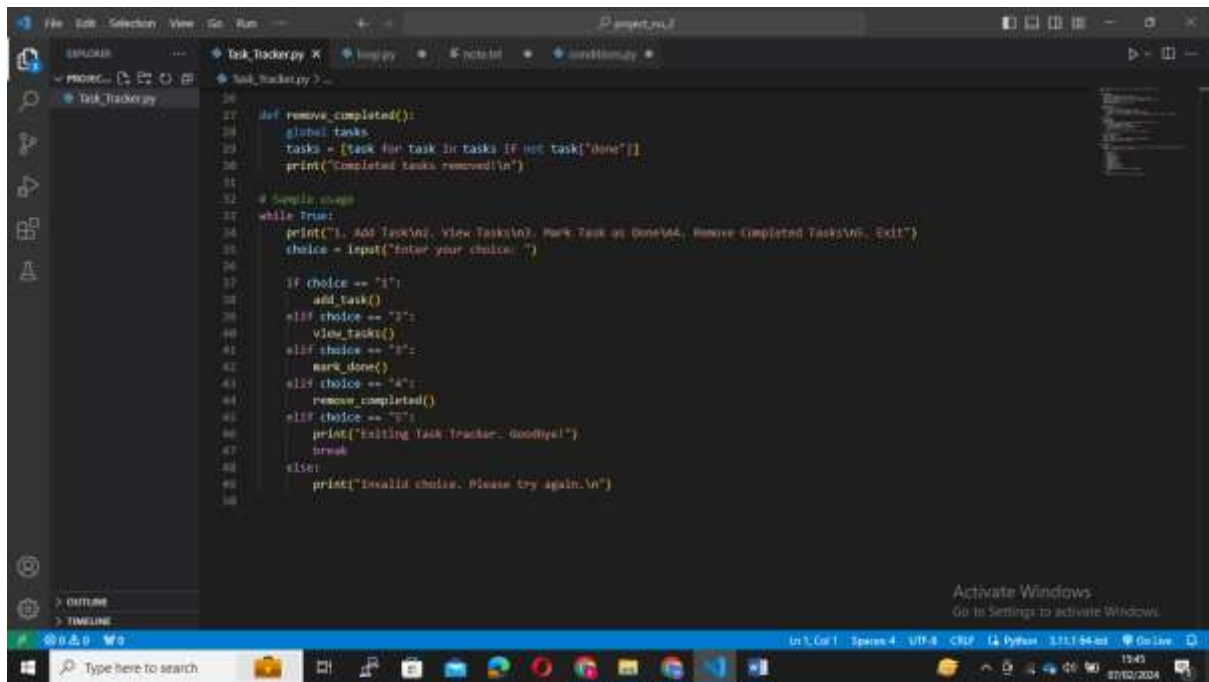
**Description:** This project will help users manage their daily tasks, set priorities, and mark tasks as completed. The program should allow users to add new tasks, view their task list, mark tasks as done, and remove completed tasks. Additionally, users should be able to set priority levels for each task (e.g., low, medium, high) and sort their tasks based on priority or completion status. This project will introduce beginners to basic concepts such as data structures (lists, dictionaries), user input handling, conditional statements, and loops.

A screenshot of a Python IDE (likely PyCharm) showing a file named 'Task\_Tracker.py'. The code is written in Python and implements a task tracker with the following functions: 

- `add_task()`: Prompts the user for a task name and priority (low, medium, high), then adds the task to a list. The task is represented as a dictionary with keys 'name', 'priority', and 'done'.
- `view_tasks()`: Prints the task list. It iterates over the tasks and prints the task name, priority, and status (Done or Pending).
- `mark_done()`: Prompts the user for a task number to mark as done. It checks if the number is valid and marks the task as done.
- `remove_completed()`: Removes all tasks that are marked as done from the list.

The code is as follows: 

```
1 name = 'Muhammad Arqum Sattar Uddin', Email: 'arqum1999@gmail.com'
2 tasks = []
3
4 def add_task():
5     task_name = input("Enter task name: ")
6     priority = input("Enter priority (low, medium, high): ")
7     task = {'name': task_name, 'priority': priority, 'done': False}
8     tasks.append(task)
9     print("Task added successfully\n")
10
11 def view_tasks():
12     print("\nTask list:")
13     for i, task in enumerate(tasks, start=1):
14         status = "Done" if task['done'] else "Pending"
15         print(f"{i}. {task['name']} - Priority: {task['priority']} - Status: {status}")
16     print()
17
18 def mark_done():
19     view_tasks()
20     task_number = int(input("Enter task number to mark as done: "))
21     if 1 <= task_number <= len(tasks):
22         tasks[task_number - 1]['done'] = True
23         print("Task marked as done\n")
24     else:
25         print("Invalid task number. Please try again\n")
26
27 def remove_completed():
28     global tasks
29     tasks = [task for task in tasks if not task['done']]
30     print("Completed tasks removed\n")
31
32 # Sample usage
```



## OUTPUT:

```
1. Add Task
2. View Tasks
3. Mark Task as Done
4. Remove Completed Tasks
5. Exit
Enter your choice: 1
Enter task name: excesice
Enter priority (low, medium, high): medium
Task added successfully!
```

```
Task List:
1. excesice - Priority: medium - Status: Pending

1. Add Task
2. View Tasks
3. Mark Task as Done
4. Remove Completed Tasks
5. Exit
Enter your choice: 
```

```
1. Add Task
2. View Tasks
3. Mark Task as Done
4. Remove Completed Tasks
5. Exit
Enter your choice: 3

Task List:
1. excesice - Priority: medium - Status: Pending

Enter task number to mark as done: 1
Task marked as done!
```

```
2. View Tasks
3. Mark Task as Done
4. Remove Completed Tasks
5. Exit
Enter your choice: 4
Completed tasks removed!

1. Add Task
2. View Tasks
3. Mark Task as Done
4. Remove Completed Tasks
5. Exit
Enter your choice: █
```

```
1. Add Task
2. View Tasks
3. Mark Task as Done
4. Remove Completed Tasks
5. Exit
Enter your choice: 5
Exiting Task Tracker. Goodbye!
PS C:\Users\AAC\Desktop\project_no_2> █
```

**GITHUB LINK:**

[https://github.com/Muhammad-Arquim/BanoQabil-2.0-Python-Course/blob/main/Task\\_Tracker.py](https://github.com/Muhammad-Arquim/BanoQabil-2.0-Python-Course/blob/main/Task_Tracker.py)