

◆ **TASK 7: Dictionaries & JSON Handling**

Tools:

- Python
- VS Code

Hints / Mini Guide:

1. Create student_records.py.
2. Store student details using dictionary.
3. Access keys and values.
4. Update and delete entries.
5. Loop through dictionary.
6. Convert dictionary to JSON.
7. Save JSON to file.
8. Read JSON back into Python.
9. Print clean formatted output.

Deliverables:

- Dictionary + JSON file

Final Outcome:

- Intern handles structured data.

Interview Questions Related To Above Task:

- Why dictionaries are fast?
- JSON vs dictionary?
- How to read JSON?
- KeyError meaning?
- Real-world use cases?

Task Submission Guidelines

-  **Time Window:**

You can complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10:00 PM.

-  **Self-Research Allowed:**

You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

-  **Debug Yourself:**

Try to resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

-  **No Paid Tools:**

If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

-  **GitHub Submission:**

Create a new GitHub repository for each task.

Add everything you used for the task — code, datasets, screenshots (if any), and a short README.md explaining what you did.

Submit Here:

After completing the task, paste your GitHub repo link and submit it using the link below:

-  [\[Submission Link\]](#)

