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Samsung Innovation Campus

Coding and Programming

Together for Tomorrow!
Enabling People
Education for Future Generations

Chapter 3.

Effective Python Programing

Coding and Programming

Project

- Develop a command-line Task Manager application in Python that enables users to efficiently manage their tasks.
- The application should allow users to create, update, view, and delete tasks. Each task should have a title, description, due date, and status (e.g., "incomplete", "completed", "in progress").
- The objective is to create an organized and user-friendly tool for task management, helping users keep track of their responsibilities and deadlines effectively.
- Your project should contain 4 classes: task manager, task, personal task and work task.
- You should use OOP concepts like inheritance and polymorphism to implement the previous classes.

Project Cont.

- The work task class should contain task priority attribute and the personal task should contain task category attribute(family, sports,...), both classes should contain a method which returns the task type.
- The project should contain main function as well which shows the user the menu whether he wants to add a task, delete a task, show list of tasks, update due date, mark task as completed or quit.
- You should handle at least 2 error types using exceptions.
- Bonus: store the tasks in a JSON file.

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