

Task Description

Task 1 (Python)

In the “Task1” folder you will find a python file called task.py. The task has four steps:

1. Please describe concisely in your own words what the program is doing.
2. The current implementation of the TaskHandler is not really maintainable and extensible. We would like you to refactor it. After you are done it should still be able to run the scenario1.txt file without any errors.
3. Add tests with a testing framework of your choice.
4. Please add the new task name “count” which will calculate the total number of values of a task. After this step also file sceneario2.txt should run without any issues.
5. In the final step we would like you to make the handler more robust. In the case a task name is received which is not handled by the handler it shouldn't crash. Instead it should just give out a message notifying about the task name and continue with other tasks. After this step all scenario files should run through without any errors.

Please only submit the final solution which is able to run all files.

Task 2 (Cloud ops)

See Readme.md in directory of task.

Submission

The solution to python task 1 and 2 should be kept separately. Therefore two directories should be created: cloud_ops_task and python_task, which contain the respective solutions. The answer to the questions in task 1 can be added in a normal text file and put inside the corresponding directory.

Please combine both directories to one single zip archive.