Domify

Tcframe Problem Package to Domjudge Problem Package Converter

What is Domify and Why?

Domify is a python script used to convert Tcframe (by IA TOKI) Problem Package Format into DOMJudge Problem Package Format. Fyi, Tcframe is a Test Case Generator Framework use to develop some competitive programming problem. Usually, Tcframe's problem package directories structure will be like this

But DOMJudge's problem package directories structure will be like this

Which I found out exhausting to construct the domjudge problem package by hand.

So I create the script to aid my works.

Prerequisites

- 1. Python 3 (as simple as that)
- 2. A complete Tcframe folder to convert (it must have the same directory structure as above)

How to use it?

- 1. Build the spec.cpp file using tcframe build
- 2. Compile your solution.cpp into an executable file
- 3. Run ./runner program to generate all testcases
- 4. Go to the parent folder of your tcframe problem package folder.
- 5. Then, run the python script with the following format

```
python3 domify.py <tcframe-directory>
```

For the example, if the tcframe directories' name problems, then type this following command

```
python3 domify.py problems
```

You can also run the script using Py. But the main thing is, you should run it with Python interpreter that supports Python3.

- 6. Then, input all necessary data for your problem, such as
 - o problem's name
 - o problem's code
 - o time limit (in second)
 - memory limit (in kb)
 - o problem's color
- 7. After that, the script will generate package/ folder inside the tcframe directory. Inside that folder, you will find the domjudge problem package directory already has already been made just for you

