

Trying Embedded Python

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Trying Embedded Python

This was my first attempt to use Embedded Python in IRIS
The Python code is adapted from solutions for [Advent of Code 2020](#) contest.
Test data are all input to my personal challenge.

Make sure you have [git](#) and [Docker desktop](#) installed.

Installation

Clone/git pull this repo into any local directory

```
$ git clone https://github.com/rcemper/try_embedded_python
```

Open the terminal in this directory and run:

```
$ docker-compose build
```

this may take some time to complete

Run the IRIS container with this project:

```
$ docker-compose up -d
```

How to Test it

Using IRIS terminal:

```
$ docker-compose exec iris iris session iris "##class(rccpy.AoC20).Run()"
```

```
Welcome to embedded Python Demo
select day as described on https://adventofcode.com/
day 0 to exit
  day (1..25) [1]:
+++++ starting : day1 ++++++
  select part (1,2,*=all,0=skip) [*] :1
  part 1: 181044
  select part (1,2,*=all,0=skip) [*] :2
```

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```
part 2: 82660352
select part (1,2,*=all,0=skip) [*] :0
+++++++ done : day1 ++++++++
day (1..25) [2]:
+++++ starting : day2 ++++++++
select part (1,2,*=all,0=skip) [*] :*
part 1: 456
part 2: 308
+++++++ done : day2 ++++++++
day (1..25) [3]:
```

Hints

Directory **.stream/** contains all my input files and some public test data.
If you want to use your personal input you should replace them as 1 file by day.
e.g. input01.txt, input02.txt,..... ,input25.txt exactly as downloaded from AOC2020.

%SYS.Python.html is a preliminary class docu to see available functions

run time: for most tests replies are pretty immediate.
But a few tests take a quite long time for calculations before showing a reaction.
Don't get nervous for day 11, 15!!, 17, 19, 22, 23.

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