jspw / **VS-Code-Config**

VS Code Sniffer to make competitive programming easy and program analysis !

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🧑 **jspw** ···	16 days ago ⟲

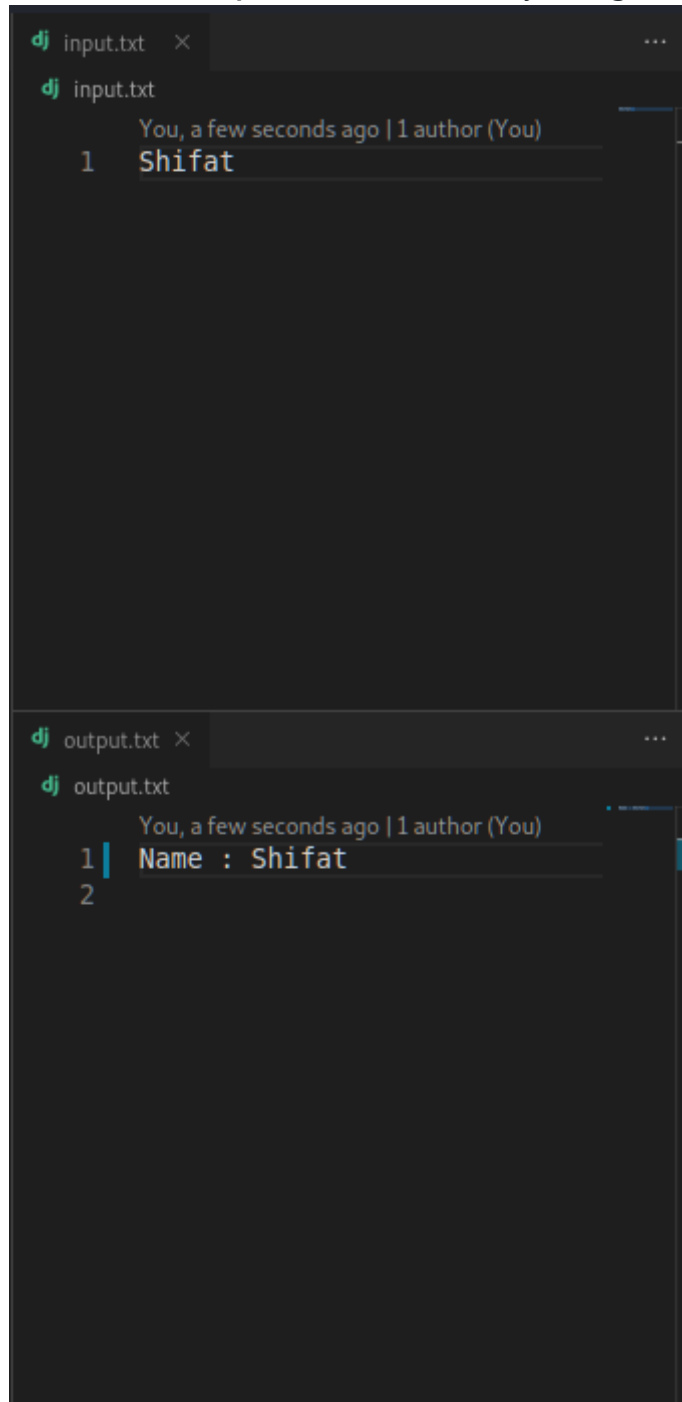**View code**

README.md

Make Coding Easy

This tutorial is for linux (debian based) only
If you are a windows user then check this out **Setup VS Code for windows**

1. VS code task config to make competitive programming easy and programme analysis !

This is a **.json** file which will help you to run your **cpp** file with one **click** or **shortcut**.

In this case , you **don't** need to write **input** in the command line or write **fopen / close** stuffs , programme will take input from a file **(input.txt)** automatically and give the output in
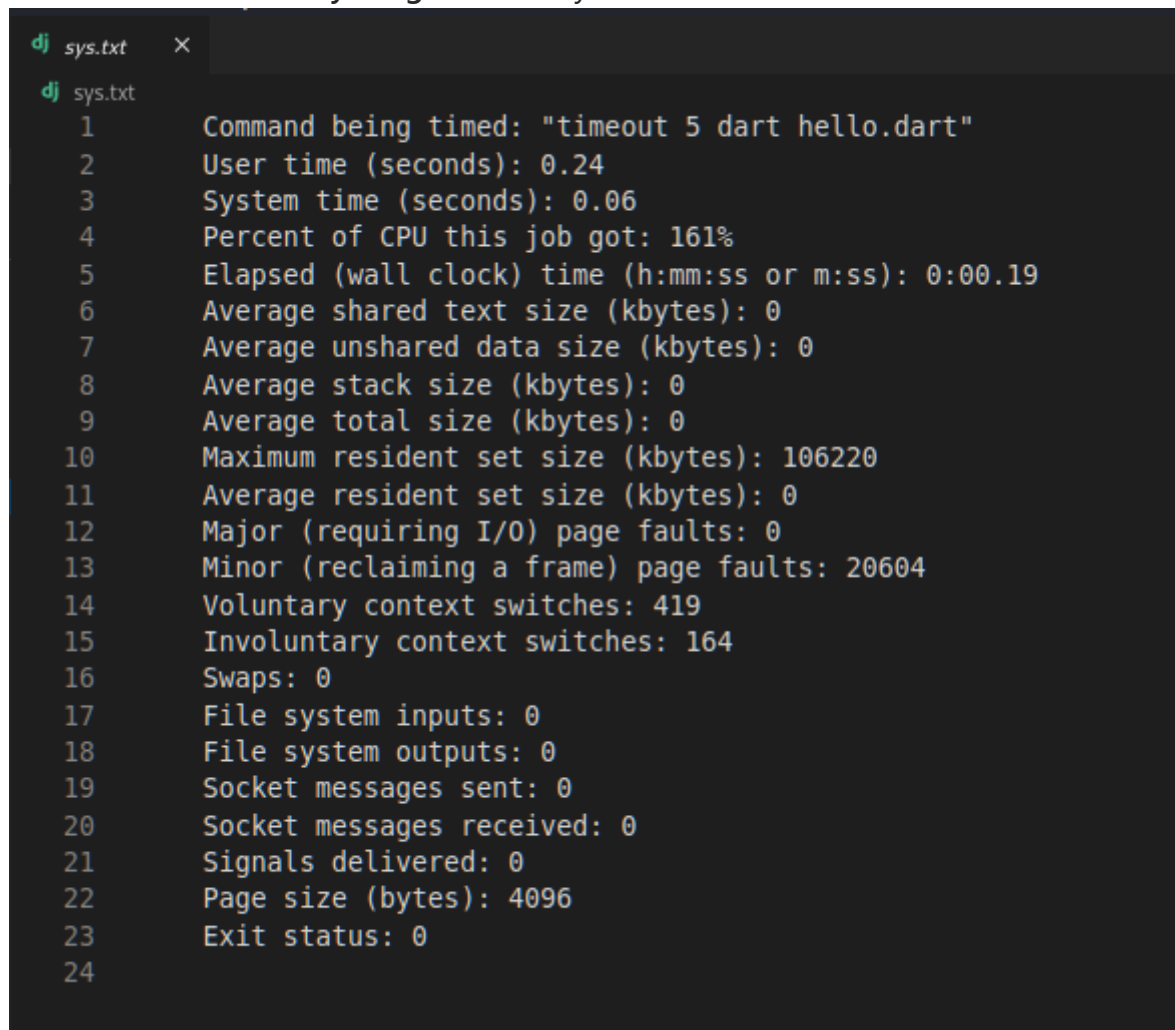

another file **(output.txt)** .

You can also find the programme **runtime status** which will help you to calculate **execution time** as well as **memory usage** and many more !

```
dj  sys.txt      ×

dj  sys.txt
    1          Command being timed: "timeout 5 dart hello.dart"
    2          User time (seconds): 0.24
    3          System time (seconds): 0.06
    4          Percent of CPU this job got: 161%
    5          Elapsed (wall clock) time (h:mm:ss or m:ss): 0:00.19
    6          Average shared text size (kbytes): 0
    7          Average unshared data size (kbytes): 0
    8          Average stack size (kbytes): 0
    9          Average total size (kbytes): 0
   10          Maximum resident set size (kbytes): 106220
   11          Average resident set size (kbytes): 0
   12          Major (requiring I/O) page faults: 0
   13          Minor (reclaiming a frame) page faults: 20604
   14          Voluntary context switches: 419
   15          Involuntary context switches: 164
   16          Swaps: 0
   17          File system inputs: 0
   18          File system outputs: 0
   19          Socket messages sent: 0
   20          Socket messages received: 0
   21          Signals delivered: 0
   22          Page size (bytes): 4096
   23          Exit status: 0
   24
```
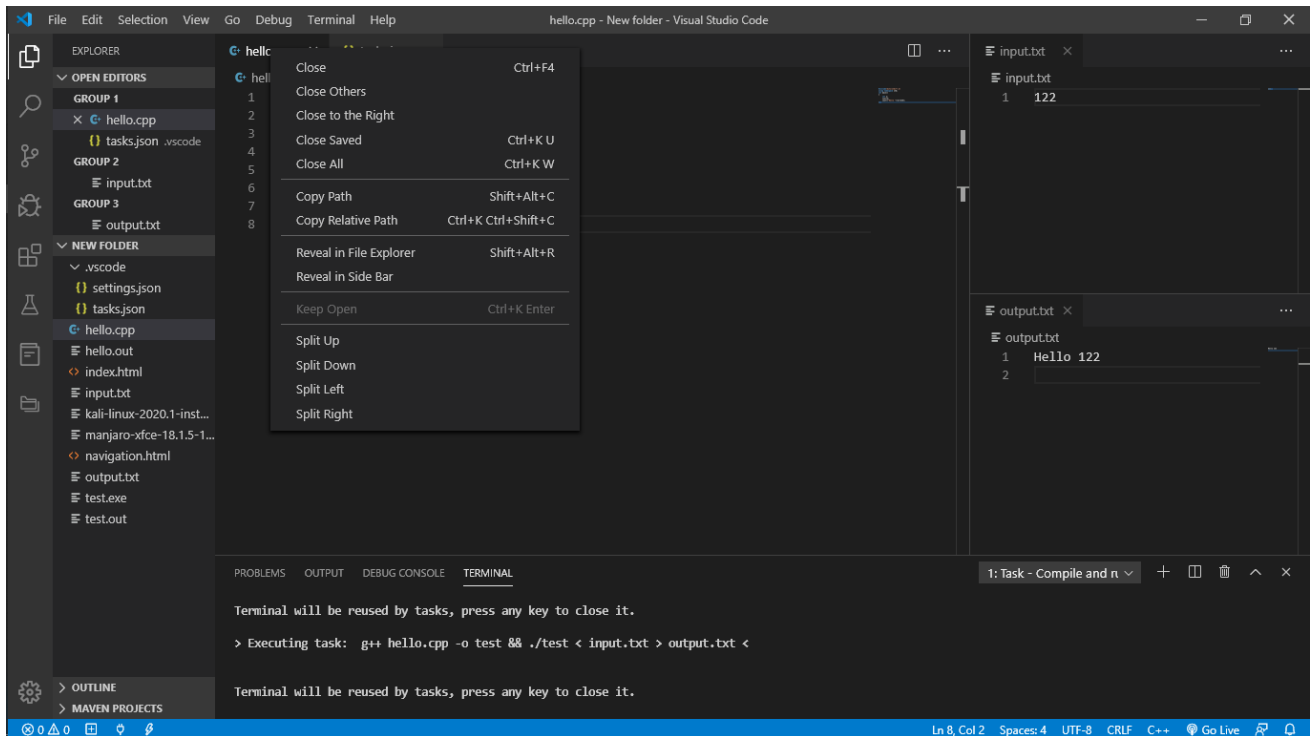
pre-requirments :

- Visual Studio Code
- gcc/g++
- time
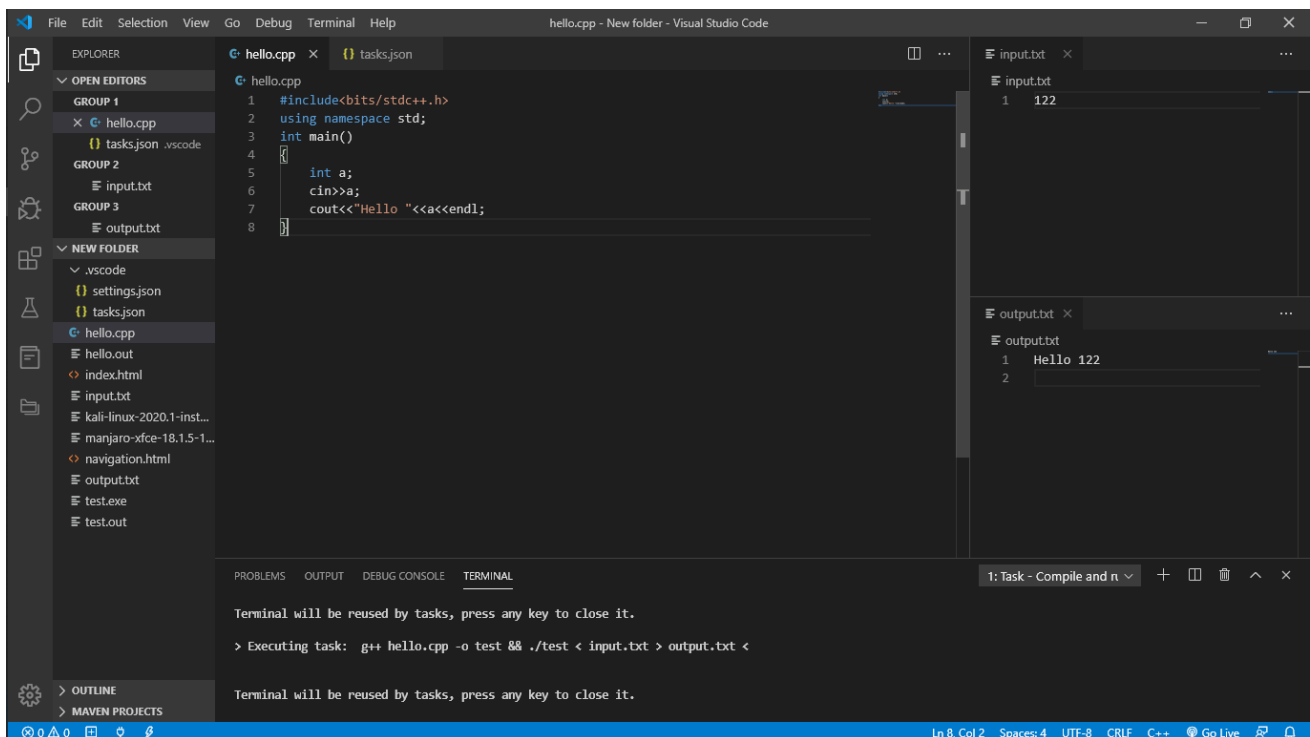 - install time : `sudo apt install time`

Let's setup :

Note : **You just need to do these things only for the first time of your workspace!**

- Split screen in 3 sections

  - split the main section in right (right mouse click on the .cpp file and u will get the split options)
  - then split the right into down (same as above)

- create a file named `input.txt` and save it in the same folder
- create a file named `output.txt` and save it in the same folder
- open input.txt into the upper right section
- open output.txt into the lower right section

This will be the final look of your vs code :
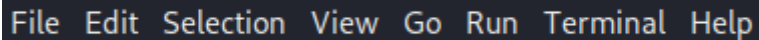

How to setup :

- Go to Configure Default Build Task...

- In Menu bar

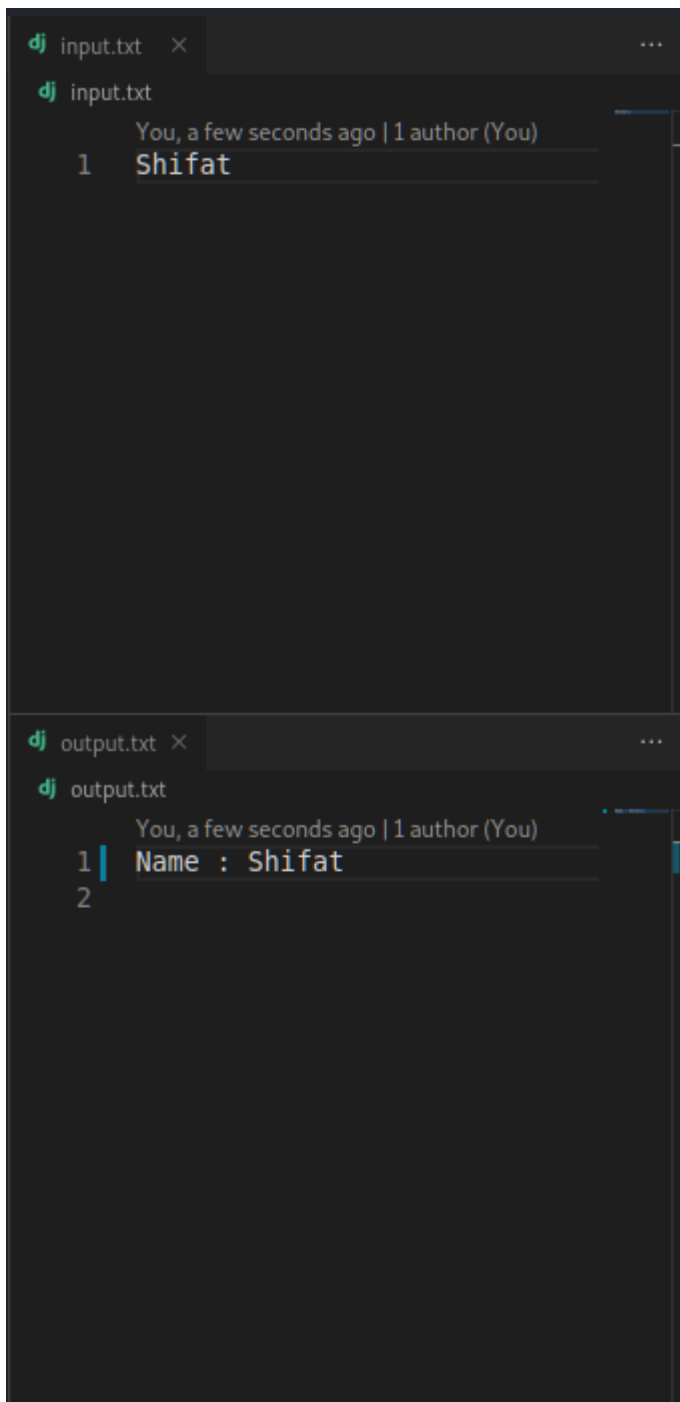 - Clik on Terminal (At the left top bar)

    File Edit Selection View Go Run Terminal Help

  - select configure task
  - select create task.json from template (this will create a task.json file in .vscode in your working directory)
  - select other and new task.json file will be created
  - now copy and paste the `task.json` { link is here } file into your `task.json` file
  - done

Usage :

- Run :
  - Shortcut type : `ctrl+shift+b`
- You need to give the input in the **input.txt** file
- output will be shown in the **output.txt** file

Note : Make sure your mouse cursor is **clicked** or **focused** on the **cpp file** editor while you are running your code.

- **Bonus** : programme status will be shown in the **sys.txt** file
- People concern about more details such as **binary form** and **disassemble code** can check `tasks(extra).json` file Link

In the Repository i have also added *config* files for other Programming Languages too :

- **task.json** files for :
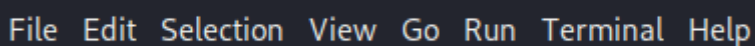
  - Python :

    - Windows File

- Linux File

- Java :

  - Windows File
  - Linux File

- Dart :

  - Windows File
  - Linux File

Here i have merged all the files which includes tasks.json file for Python, C, C++, Java and Dart for both Windows and Linux ! Here is the Link

2. VS CODE Snippet

This one is made for my personal usage ,you can add functions as you wish and edit my name and doc

- Select User Snippets under **File** (at Left top bar) > **Preferences (Code** > **Preferences on macOS)**, and then select **cpp.json**

  ![File Edit Selection View Go Run Terminal Help]

- copy or replace the cpp.json file {Link} and save !

Usage :

- Creating a cpp file if you type **inc** and press **Tab** in your keyboard the **snippet** will load as i have set **prefix** as **inc** in my **json file** . (**You can edit as your own !**)
- This will make programming easy and fast .

In the Repository i have also added *config* files for other Programming Languages too :

- **Snippets** for :

- Python
- Dart
- Java **To be added**

Happy Coding with VS Code

Releases

No releases published

Packages

No packages published