

# INF 102 Concepts of Programming Languages | |

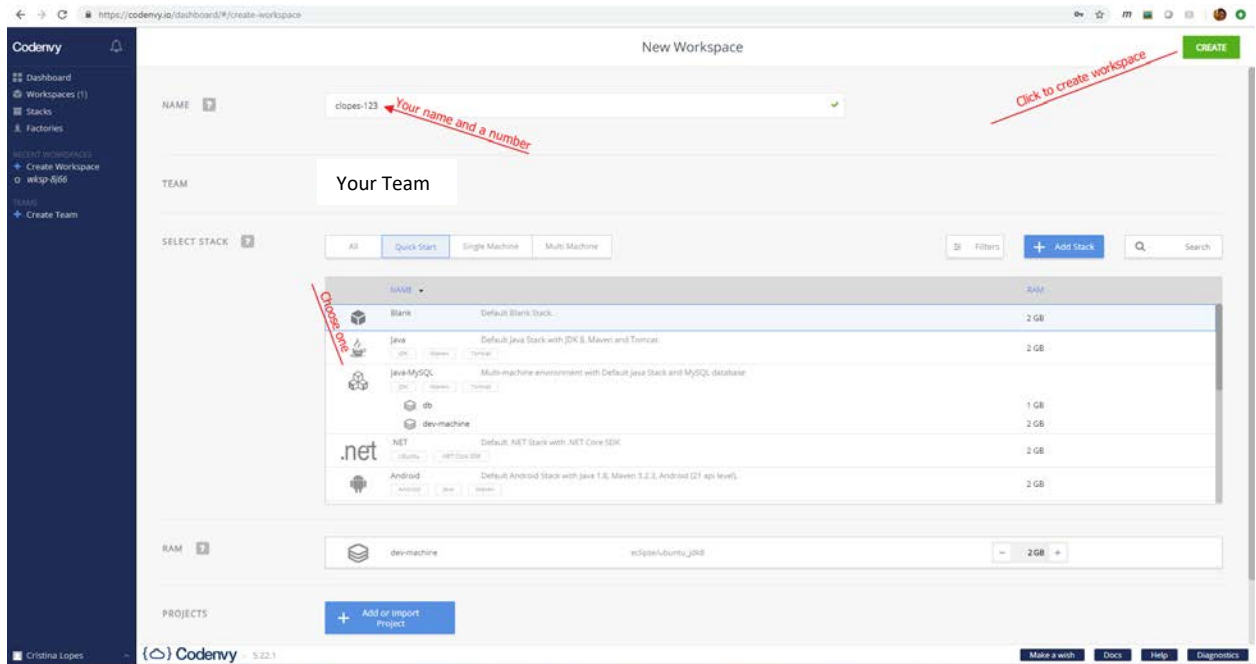
## Week 1 Exercise

Using your favorite programming language (other than Python), implement the term frequency program that is the basis for the exercises in the book – see Prologue in the book. There is no need to follow any specific style; just make it work as best as you can. Your program should:

- Consist of only one source file, not several
- Use the list of stop words provided at [https://github.com/crista/exercises-in-programming-style/blob/master/stop\\_words.txt](https://github.com/crista/exercises-in-programming-style/blob/master/stop_words.txt)  
Assume that the file with stop words is in the parent directory (“../stop\_words.txt”)
- Run from the command line and take the name of a file as input, like this:  
`$ [language_interpreter] your_program some_text_file`
- Successfully run over Pride and Prejudice available at <https://github.com/crista/exercises-in-programming-style/blob/master/pride-and-prejudice.txt>
- Successfully pass the unit test available at <https://github.com/crista/exercises-in-programming-style/tree/master/test>  
Specifically, the output of your program over the book Pride and Prejudice should be this: <https://github.com/crista/exercises-in-programming-style/blob/master/test/pride-and-prejudice.txt>

### What to submit:

- Starting this week, and for the rest of the quarter, we are going to use a cloud IDE called Codenvy. Goto <http://codenvy.com> and create an account for the free TEAM offering. Login, create a team named **<your-name>-uci** and add Prof. Lopes ([lopes@uci.edu](mailto:lopes@uci.edu)) as a team member. Then, go to the team page, workspace tab, and create a workspace for the team (so, not personal!)  
VERY IMPORTANT: name your workspace with your name followed some random number. In the past, we’ve had problems with workspace name clash! See next picture.



Once running, the workspace should be organized as follows:

```
pride-and-prejudice.txt
stop_words.txt
Week1/
    YourFilesForWeek1
Week2/
    YourFilesForWeek2
...
```

- When you are done with your project, leave the files there. I will then visit and grade. Note that time stamps will be checked.

### Grading criteria:

1. *Correctness*: does your program produce the correct output for Pride and Prejudice? (50 points)
2. *Form*: is it only one file? (10 points)
3. *Operation*:
  - a. Does it run from the command line? (10 points)
  - b. Does it take a file name as argument? (10 points)
  - c. Does it read the file of stop words from the parent directory? (10 points)