REST-for-Physics Framework

0.5. Vim

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Vim is a powerful and simple editor that can be found at any Linux server.

It is used by many developers and thus it implements many features that allow to work with VIM as if it would be a IDE (Integrated Development Environment).

It provides shortcuts for surfing code. Searching methods, auto-completion, automatic indenting, and efficiently navigate between different files.

Installing it should be as simple as:

- sudo apt-get install vim

- brew install vim

Learning the basics about VIM and the philosophy behind VIM is as simple as following this 30 minutes tutorial:

- Execute: vimtutor

VIM is an editor thought to work ONLY with keyboard to help you being the most efficient possible while editing code or writing text files!

Although it works much better with a UK keyboard.

Highlight text in Markdown.md

Search text!

The intention of this lecture is just to show you the basics of VIM so that you at least know about its existence.

It is one of the most important discoveries in my career. But it will take you a bit of effort to learnt it and to get used to a different text editor philosophy.

And show you how you may use VIM as a tool to search code.

One of the most interesting features of VIM are ctags, which identify the code syntaxis and it can be used it later to jump between different files.

There are thousands of different plugins that can be integrated into VIM to enhance its functionality.

In my GitHub account you will find a useful repository to have a starter: https://github.com/jgalan/basic_scripts

Just clone this repository:

```
git clone https://github.com/jgalan/basic_scripts.git
```

You will need to install `ctags-exuberant` if not already installed.

Then, edit `updateTags.sh` and change the directories you find there to point to your own source directories. Specially the one from REST.

Then execute the script `./updateTags.sh`.

Place the `.vimrc` file and the vim directory in your home directory:
```
cp .vimrc $HOME
cp -r vim $HOME
cd $HOME
mv vim .vim
```

Then, replace the `tags` file path inside the `.vimrc` file to point to your recently generated `tags` file.

If everything worked fine you should be able now to open any TRest class definition using.

```
vim -t TRestRun
```

There will be a more detailed guide at some point (WIP) here:
https://rest-for-physics.github.io/guide-to-vim.html