Emacs as a Python IDE

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PyCon India 2011 - Symbiosys, Pune

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Outline

Introduction

- Emacs

Programming

- General
- Major modes
- Utilites
- Power tools

Work tracking

- Introduction
- Task tracking
- Task collection

Finally

- References

What is Emacs?

- Programmers editor. Customisable using elisp.
  - Customisability is a feature (not an add on).
  - Hence lots of “applications” in Emacs.
- Widely ported.
- Older than many of us.
- Almost religious following.

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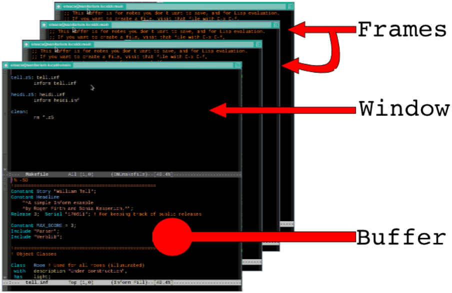
Basics

- Common terms have different meanings.



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Include "Parser";
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- Minor modes are “utilities”.

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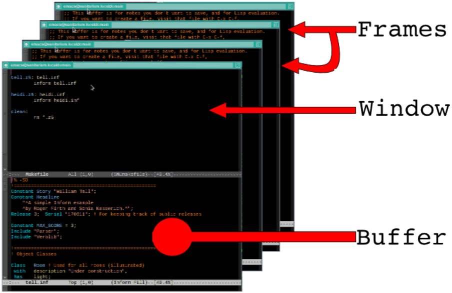

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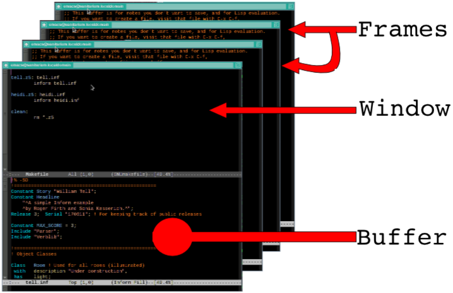

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- The kill ring
  - Each `copy` or `kill` (cut) is saved in a ring.
  - After doing a `yank` (paste), you can cycle through the ring.
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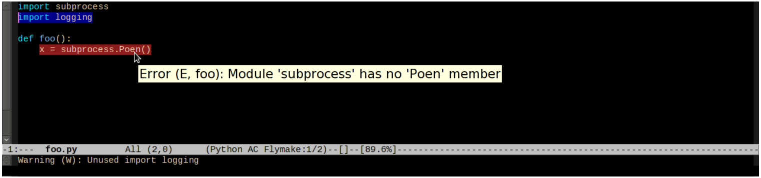

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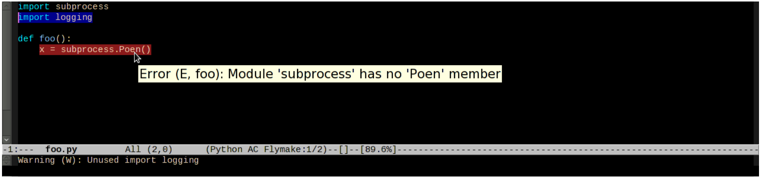

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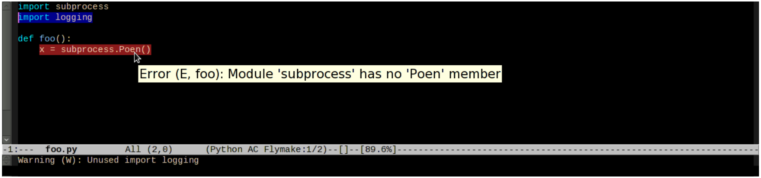

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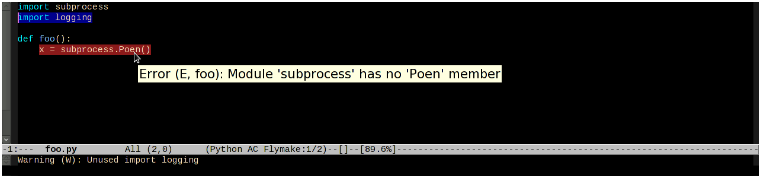

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- Rope is a Python refactoring library.
- You need PyMacs.
- Makes refactoring tools available.
  - Boilerplate for classes, functions etc.
  - Extraction, inlining.
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  - Finding occurrences.
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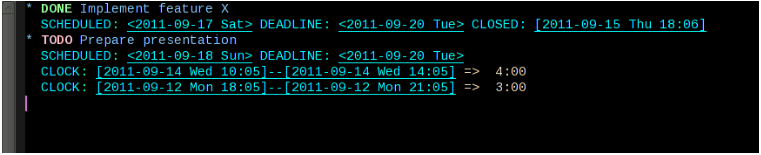

```
* DONE Implement feature X
  SCHEDULED: <2011-09-17 Sat> DEADLINE: <2011-09-20 Tue> CLOSED: [2011-09-15 Thu 18:06]
* TODO Prepare presentation
  SCHEDULED: <2011-09-18 Sun> DEADLINE: <2011-09-20 Tue>
  CLOCK: [2011-09-14 Wed 10:05]--[2011-09-14 Wed 14:05] =>  4:00
  CLOCK: [2011-09-12 Mon 18:05]--[2011-09-12 Mon 21:05] =>  3:00
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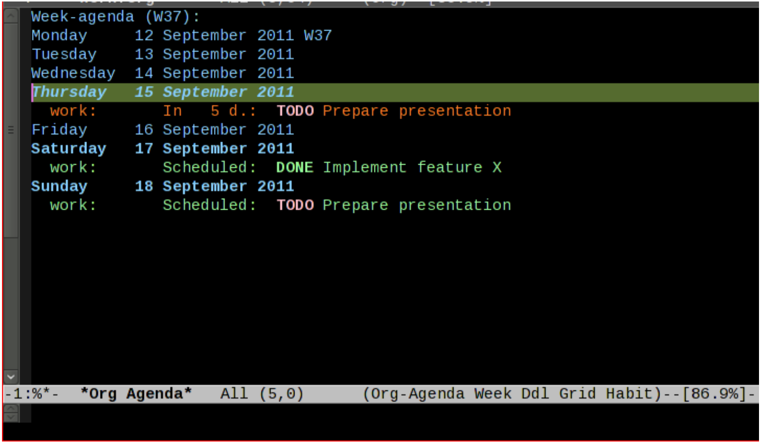
Agenda



```
Week-agenda (W37):
Monday      12 September 2011 W37
Tuesday     13 September 2011
Wednesday   14 September 2011
Thursday    15 September 2011
  work:        In   5 d.:  TODO Prepare presentation
Friday      16 September 2011
Saturday    17 September 2011
  work:        Scheduled:  DONE Implement feature X
Sunday      18 September 2011
  work:        Scheduled:  TODO Prepare presentation
-1:%*-  *Org Agenda*   All (5,0)     (Org-Agenda Week Ddl Grid Habit)--[86.9%]-
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- Via. Email ("Can you do this?").
- Via. Chat message ("Can you do this?").
- Via browser ("Nice article. I need to read this.").
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- Via. Email ("Can you do this?").
- Via. Chat message ("Can you do this?").
- Via browser ("Nice article. I need to read this.").
- Via. real life ("Need to buy textbooks.").
- Repetitive tasks ("Need to pay rents").

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Org-capture

- Single keystroke (`C-c r`) to *capture* something.
- Captures current “context” as an org-mode task.
- Works with email, code, chat buffers.
- Hipster PDA to capture real life tasks.
- Org can natively handle repetitive tasks.
- Once in org, you can schedule etc. it.

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Resources

- `http://www.emacswiki.org/emacs/PythonProgrammingInEmacs`
- `http://orgmode.org/` and `http://members.optusnet.com.au/ charles57/GTD/`
- `http://nibrahim.net.in/2011/07/17/my_org_mode_setup.html`
- `https://github.com/nibrahim/Config-files`

Questions