**Day 2**[Help](https://class.coursera.org/bigdataschool-001/help/pages?url=https%3A%2F%2Fclass.coursera.org%2Fbigdataschool-001%2Fwiki%2FDay_2)

**Best Programming Practices**(A. Mahabal)

* [Part 1](https://class.coursera.org/bigdataschool-001/lecture/33)[18:41]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_bestprogpractices_1.pdf) (pdf)
* [Part 2](https://class.coursera.org/bigdataschool-001/lecture/35) [15:32]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_bestprogpractices_2.pdf) (pdf)
* [Part 3](https://class.coursera.org/bigdataschool-001/lecture/37) [18:22]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_bestprogpractices_3.pdf) (pdf)
* [Part 4](https://class.coursera.org/bigdataschool-001/lecture/39) [08:16]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_bestprogpractices_4.pdf) (pdf)
* [Exercise](https://d396qusza40orc.cloudfront.net/bigdataschool/Mahabal_BPP_Exercise_2014.pdf) (pdf file, description and links)
* Exercise Related: [Hangman based on letter frequencies](http://lifehacker.com/5898720/a-better-strategy-for-hangman)

Additional resources:

* Versioning Software: [CVS](http://www.nongnu.org/cvs/), [SVN](https://subversion.apache.org/), [Git](https://github.com/), [Mercurial](http://mercurial.selenic.com/)
* More collaboration enablers: [bitbucket](https://bitbucket.org/), [Google Drive](https://drive.google.com/), [Authorea](https://authorea.com/), [Sharelatex](https://www.sharelatex.com/)
* Benchmarking: [Game](http://benchmarksgame.alioth.debian.org/), [Python benchmarking](http://ziade.org/2007/10/18/unobtrusive-benchmark-and-debug-of-python-applications/)  (somewhat dated)
* Tests: [Python tests](http://python-guide.readthedocs.org/en/latest/writing/tests/)

**Content Detection and Analysis for Big Data** (C. Mattmann)

* [Part 1](https://class.coursera.org/bigdataschool-001/lecture/63) [09:32]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/ContentDetection-Mattmann-p1.pdf) (pdf)
* [Part 2](https://class.coursera.org/bigdataschool-001/lecture/65) [20:45]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/ContentDetection-Mattmann-p2.pdf) (pdf)
* [Part 3](https://class.coursera.org/bigdataschool-001/lecture/67) [15:27]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/ContentDetection-Mattmann-p3.pdf) (pdf)
* [Hands-on exercise](https://d396qusza40orc.cloudfront.net/bigdataschool/Excercises-ContentDetection.pdf) (pdf): a description, contains links for the necessary downloads.

Additional resources:

* [Apache Tika](http://tika.apache.org/) (Content Detection and Analysis)
* [Joshua Decode](http://joshua-decoder.org/)r (Statistical Machine Translation)