Assignment Submission

Elements of Applied Data Security M

Alex Marchioni – alex.marchioni@unibo.it

Lorenzo Capelli – l.capelli@unibo.it

Assignment Submission

You must submit your assignment through **Virtuale**

- In the topic Assignments you will find an activity for each assignment

- You can submit an assignment if (and only if) you are in a **group.**
  - choose a group by means of the Group Choice activity.
  - Groups are made of max three students
  - You can work alone or in two

Assignment Submission

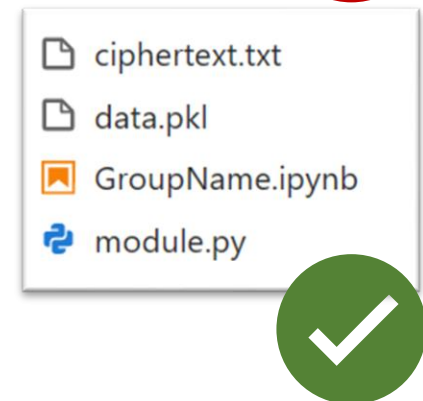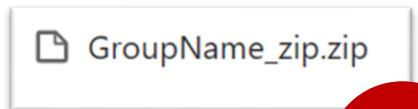The submission consists in the upload of:

- the Jupyter **notebook** that contains your code and your report.
  - Only one notebook is allowed
  - Name your notebook as your group
- **All other files** needed to run your notebook (e.g., ciphertexts, custom modules, etc.).
  - If the notebook does not run for a missing file, it will be considered as an error.
  - Do not zip files, upload them separately as if it was your working folder

Report Definition

A **report** is a concise, formal document that <u>conveys technical information</u> on a <u>specific topic</u> for a <u>specific audience</u>.

"engineers spend between 20% and 40% of their workday writing, a figure that increases as they move up the career ladder. Another study indicates that in their first few years on the job, engineers spend roughly 30% of their workday writing, while engineers in middle management write for 50% to 70% of their day; those in senior management reportedly spend over 70% and as much as 95% of their day writing."

J. A. Leydens, "Novice and Insider Perspectives on Academic and Workplace Writing: Toward a Continuum of Rhetorical Awareness," in *IEEE Transactions on Professional Communication*, vol. 51, no. 3, pp. 242-263, Sept. 2008.

Report Tips

- **No frills**, go straight to the point
  - let your message be as clear as possible in the shortest space – nobody enjoys spending time reading technical reports.

- **Be simple**, not superficial
  - You will not convey your message (often complex) by simplifying concepts, but you can use simple words and clear sentences.

- Provide the reader with **all information** to get your point
  - do not take anything for granted – you often are too deep in your work assuming anyone else is too.

- **Do not be vague**
  - Every sentence must be supported by a proof, measurement or a reference.

Report Structure

Title   Do not forget it

Introduction
- Contextualize your work.
- Highlight your goals and contribution.
- Provides a summary of the document.

Main Body   Here you put the important stuff

Conclusion
- Summarize your work
- Remark the message you want to convey

Reference   You hardly ever invent the wheel so cite what you start from

Typical Error in this course

- Missing title/introduction/conclusion

- Too wordy and verbose

- Bad Report Organization
  - Document not organized in sections, confusion between sections and subsections, etc.

- Use text to explain what is written as code.
  - Please, don't. Code is boring once, let alone twice.
  - If your code is too complicated to understand, make it readable. Do not explain it with text because you are only making it worse.

Markdown Tips

- Remove template indications:
  - Write the report as you were going to submit it to your boss

- Report must be written in markdown cells:
  - Formatting (bold, italic, formulas in latex) and inclusion of figures are appreciated.
  - However, formatting must be used wisely. Do not exaggerate.
  - Respect the structure of the template. You can add subsections but be sure to be coherent with the notebook organization.

✅ **Title**

✅ **Subsection**

❌ Report written in Raw Cells is not nice to read

✅ Instead write in Markdown Cells

✅ To highlight part of the text use **bold**, or *italic*.

❌ **DO not use title/subtitle formatting to write text!!**

❌ Description (Max 150 words) Your description

✅ Your description

Last comments

We encourage collaboration but not plagiarism

Collaboration is encouraged so it is normal to find many similarities in the notebooks submitted by different groups. However, each group must produce an original notebook. Plagiarism will be marked as a 0.

We suggest not to use code generators

Code generators are great tools that allow pro programmers to boost their productivity. However, you are not professionals and code generator may be a boomerang (as giving a calculator to a child learning addition and multiplication).