Multimedia systems

Laboratory exercises

Software

Exercises in Python - Jupyter (IPython)

- Local setup
- Google Colab

NOTE: exercises must be submitted to Učilnica



Rules of the “game”

- 5 exercises
- Mandatory tasks (up to 70 points)
  - Graded as the whole assignment
  - No per-task points
- Optional tasks (+ N points)
  - Advanced or more work
  - Inspected individually
- 50 to pass, must pass all 5

Hand-in rules

- Functional Jupyter notebook only
  - Only notebook, no resources
  - Will be executed, cell by cell
  - Self-contained, no external files
  - Works in local notebook folder
  - Standard packages (specified by assignment)
  - Time limit
- Do not modify assignment structure
  - Some grading may be done automatically
  - Write your code to the assigned cells
- Timely hand-in
  - Late hand-in possible for one exercise only (reduced points by 30%)
  - Medical exceptions apply

Oral defense

- Random selection
  - Every student should present at least one
- Plagiarism suspicion
  - Code looks too similar
- LLM code
  - Code is obviously LLM generated
- Code does not work
  - Code does not run
  - Code does not do what it is supposed to do

Oral defense

- Will be notified a week in advance
  - Prepare yourself
  - Excuses of doing work weeks ago does not count
  - Make sure your code works
- At your designated lab session
  - You should be available

Exercises at a glance

Exercise 1 – Image processing

Exercise 2 – Video processing

Exercise 3 – Audio processing

Exercise 4 – Compression in multimedia

Exercise 5 – Content Retrieval (text and image retrieval)

Week overview

	1-4 Oct	5-11 Oct	12-18 Oct	19-25 Oct	26-1 Oct-Nov	2-8 No	9-15 No	16-22 No	23-29 No	30-6 Nov-Dec	7-13 Dec	14-20 Dec	21-27 Dec	28-3 Dec-Jan	4-10 Jan	11-17 Jan
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Available			1		2		3		4		5					
Handin						1		2		3		4		5		