We come here to

- **Discover knowledge**
- **Enhance skills**
- **Share knowledge and skills**
- **And conquer the IT world**

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EXERCISE 3

Update Exercise 2 & Design Patterns in python

Due date: Tuesday 22/03

1. **Student revises and update Exercise 2:** Student presents in one file document
   Construct a website with the function for employee to store items of a shopping online store and show on the web
   - Books
   - Mobile Phones
   - Clothes
   - Laptop
   - Shoes
   - Electronics
   a. Construct class diagram in analysis
   b. Construct data model and database
   c. Construct Design class with packages for items (each item in one package)
   d. Code with DJANGO functions for Staff to: *store items, update items,… and push on web* (*Each item data inputs in one interface site*)

2. Each student selects 15 design patterns from the link

https://www.tutorialspoint.com/python_design_patterns/index.htm

and present briefly on a word file with the following tasks
   a. Explain these patterns and their applications
   b. Run these patterns and copy code, running images

References

https://python-patterns.guide/
https://www.tutorialspoint.com/python_design_patterns/index.htm
https://www.geeksforgeeks.org/python-design-patterns/?ref=lbp
https://www.youtube.com/watch?v=bsyjSW46TDg