

IT5001 Practical Exam

Instructions:

- Your code will be graded and run on **Python 3.10**.
- You **cannot import** any packages or functions unless some questions specifically allow you to do so. You also cannot use any decorators. However, you are allowed to write extra functions to structure your code better (except Part 1). Do remember to copy them over to the specific part(s) they are supporting.
- No marks will be given *if your code cannot run*, namely if it causes any syntax errors or program crashes.
 - We will just grade what you have submitted and we will **not** fix your code.
 - Comment out any lines of code that you do not want us to grade.
- Working code that can produce correct answers in public test cases will only give you *partial* marks. Your code must be good and efficient and pass ALL public and hidden test cases for you to obtain full marks. Marks will be deducted if it is *unnecessarily long, hard-coded, in a poor programming style, or includes irrelevant code*.
- You should **either delete all test cases or comment them out (e.g. by adding # before each line)** in your code. Submitting more (uncommented) code than needed will result in a **penalty** as your code is "unnecessarily long".
- The code for each part should be submitted **separately**. Each part is also "independent": if you want to reuse some function(s) from another part, you will need to copy them (and their supporting functions, if any) into the part you are working on. However, any redundant functions for the part (albeit from a different part) will be deemed as "irrelevant code".
- You must use the same function name as specified in the question. You must also use the **same function signature and input parameters** without adding any new parameters.
- **You are not allowed to mutate the input arguments.**
- In general, you should **return** instead of **print** your output, unless you are specifically told to do so.
- Reminder: Any kind of plagiarism such as copying code with modifications will be caught. This includes adding comments, changing variable names, changing the order of lines/functions, adding useless statements, etc.
- **You are not allowed to use any generative AI tools such as ChatGPT in the assessment.**