

PHP Acceleration

Exercise 5: Functional Programming

Preamble: There's a plethora of thinking paradigms when it comes to programming. Programming patterns (styles) help (at least they're meant to) simplify the process of writing, testing and maintaining codes. The following tasks will help you gain, to a large extent, understanding of Functional programming as it applies to PHP.

Task A:

Problem statement: The team is to conduct extensive research on PHP functional programming, after which you are required to make detailed presentation (as a github repo and repls showing your level of understanding of the subject) in all (*but not limited to*) the outlines in Appendix I.

Requirements:

1. Research is expected to be as detailed as time permits
2. Members of the team with prior understanding of useful concepts are required to educate others on the same
3. Code samples (custom) and use cases showing depth of knowledge are mandatory
4. The team, when deemed knowledgeable enough in the subject of discourse by the Faculty in charge is to request the aforementioned appendix
5. Requesting for the appendix before the Faculty in charge's say-so (or before the research commences) will attract penalties
6. All outlines in the appendix must be taken care of (*in form of description and code samples and/or use cases*), with extra self-discovered outlines
7. Your repo's readme should serve as an adequate brief (introduction) for anyone meeting Functional programming for the first time, and must contain descriptions for- and links to your samples and use cases.

(40pt)

P.S: Repository Readme signatures showing individual team members' names and/or nicknames will attract penalties, unless such is expressly required by the respective exercise