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Section A5

Abstraction

Abstraction in coding is an important concept that allows programmers to simplify and organize complex ideas. It implies breaking down a problem into smaller, more feasible parts, and hiding nonessential details to focus on the essential elements. So example, we can create a class named Person and this class has an attribute for a given name and family name. Second, there will be behaviors such as is it from eastern names or western names? In that way, we can easily identify the Person without going through everything about their personal lives. One of the primary benefits of abstraction is its impact on code reusability because we can just create a class or method that we can call or use anytime we need.

Class: Person

Attributes:

\_firstName : string

\_lastName : string

Behaviors:

EasternName() : void

WesternName(): void