CSYE 6200 Assignment SOLID

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Group Memeber

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SOLID Principle

Single Responsibility Principle We has 5 classes:

AbstractComputer
this is for an abstract concept of computing machine Computer
this refers to general "Computer"
Lenovo
MacBookPro
ComputerShop
Driver
For Main Drive

Therefore, each of these classes takes single responsibilities.
Open-Closed Principle
There exists polymorphism for overriding in Computer / Lenovo / MacBookPro Our super classes are also closed to be modified.
Liskov Substitution Principle

Computer --> AbstractComputer

Lenovo / MacBookPro --> Computer Interface Segregation Principle

We use multiple interfaces rather than merge them together.:

Comparable (from library) InterfaceComputerSystem (self defined)

Each of them takes single responsibility.

Dependency Inversion Principle For Loosely coupled Design:

we don't use any new or static in our classes. class Lenovo / MacBookPro extends Computer