Graphical user interface, text

Description automatically generated

Text

Description automatically generated

first

Text

Description automatically generated with medium confidence

Each entity should have only one responsibility

Text

Description automatically generated

Printing it on the console should not be there, it may be call other class

We can write above class like this :-

Text

Description automatically generated

Second

Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Here suppose requirement come for division we need to include in operation class but may be due to this we can

Introduced new bugs in existing code

**We can write like this**

Text

Description automatically generated

Open for extension and closed for any modification to the existing code.

Third

Graphical user interface, text, application, email

Description automatically generated

The Liskov Substitution Principle in practical software development. The principle defines that **objects of a superclass shall be replaceable with objects of its subclasses without breaking the application**. That requires the objects of your subclasses to behave in the same way as the objects of your superclass.

Text

Description automatically generated

Text

Description automatically generated

Fourth

Text

Description automatically generated

Problem

Text

Description automatically generated

Text

Description automatically generated

Solution :

Text

Description automatically generated

Fifth

Decouple the module from each other dependency

Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Desktop is tightly coupled with Monitor and quertykeyboard object

Solution : we remove dependency injection

Graphical user interface, text

Description automatically generated