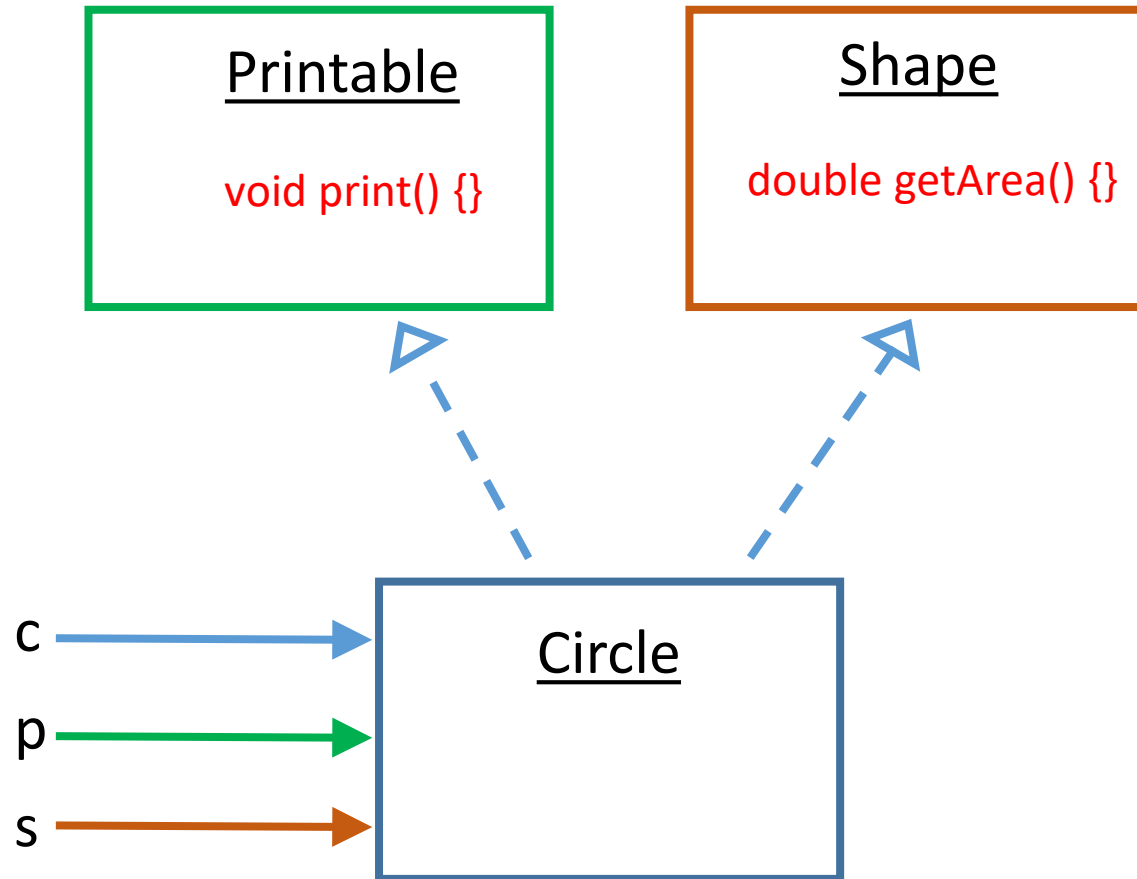
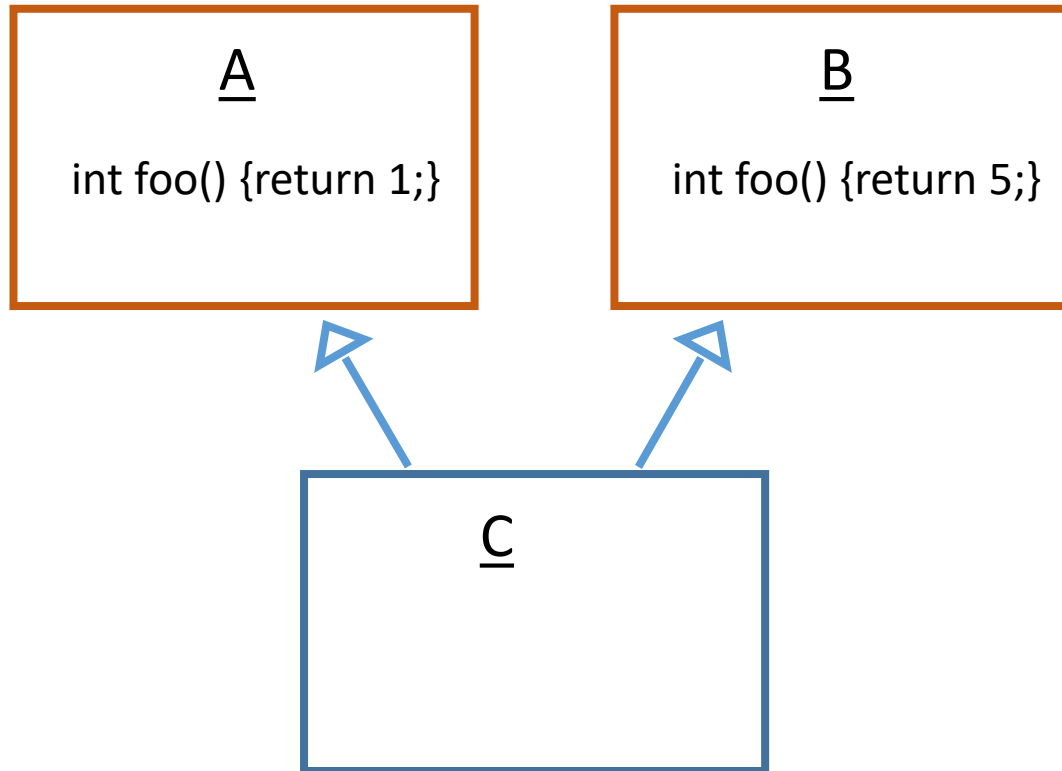


Recitation 3

Q1(a) Interfaces are like super-classes

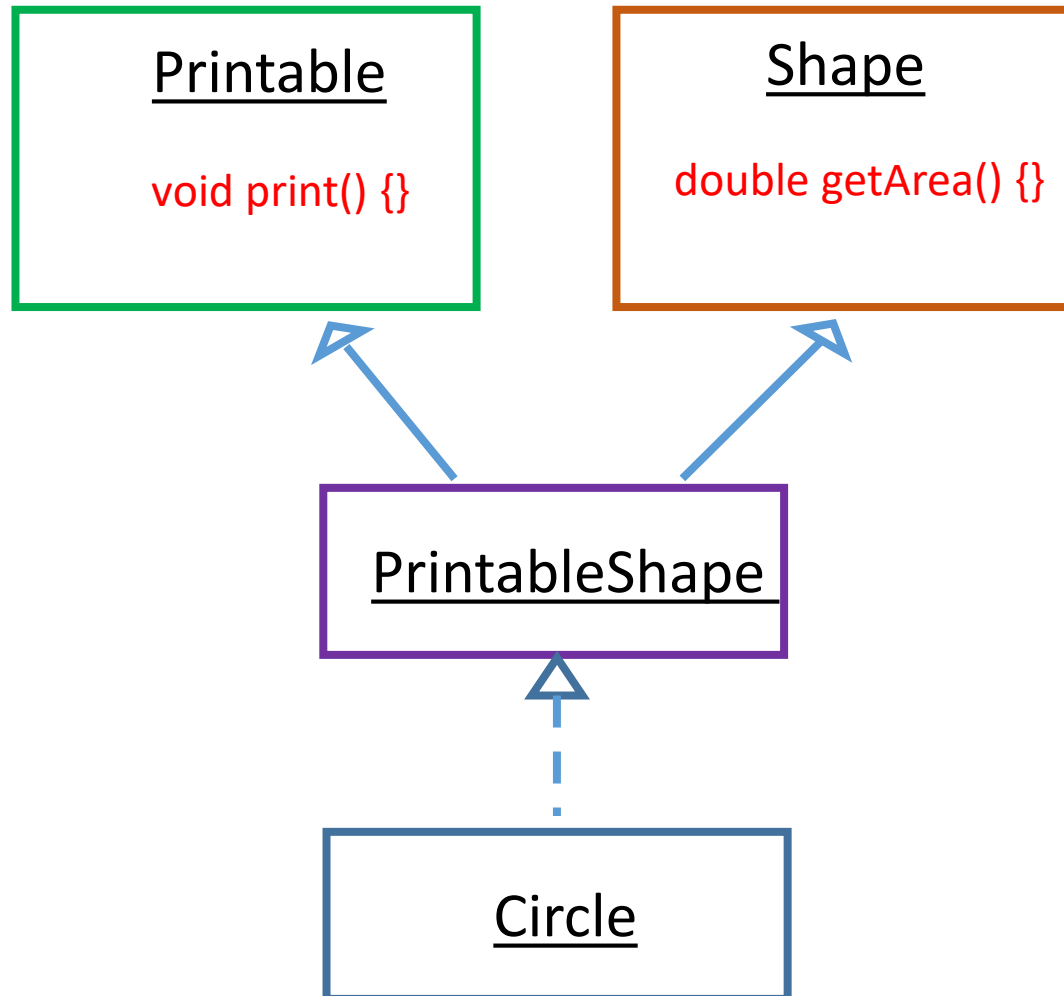


Q1(b) Java does not allow multiple inheritance (ie multiple parent classes)



`new C().foo()` ??

Q1(c) Interfaces can be extended



Q3

Liskov Substitution Principle (LSP):

The client of a class T expects the same behaviour if T was substituted with a subclass S of T

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The client of a class T expects the same behaviour if T was substituted with a subclass S of T

Contract:

The client of `FormattedText` expects that toggling an instance will change its underline status: **true** to **false**, or **false** to **true**.

But this is not the case for `PlainText`.

Thus, `PlainText` violates LSP.