

**Answer**

**Code quality rate**: poor

**Explanation**: it is clear that code above do not make correct use of inheritance and polymorphism. After applying proper programming techniques we can get to simple:

IMessage message = new MessageB(); //can be MessageA or MessageC as well

message.CustomMethod();

if (message is IAdditionalMessage)

{

(message as IAdditionalMessage).AdditionalMethod();

}

Full Code Bellow:

