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| --- |
| **TemplateMethod** |
| **Line** | **Code** |
| **1****2****3****4****5****6****7****8****9****10****11****12****13****14****15****16****17****18****19****20****21****22****23****24****25****26****27****28****29****30****31****32****33****34****35****36****37****38****39****40****41** | //Shows two versions of the same algorithm**using** System;**namespace** TemplateMethod { **abstract class** Algorithm { **public void** TemplateMethod() { **string** s = Step1() + Step2(); Console.WriteLine(s); } **public abstract string** Step1(); **public abstract string** Step2(); } **class** AlgorithmV1 : Algorithm { **override public string** Step1() { **return** "AlgorithmV1:Step1 "; } **override public string** Step2() { **return** "AlgorithmV1:Step2 "; } } **class** AlgorithmV2 : Algorithm { **override public string** Step1() {  **return** "AlgorithmV2:Step1 ";  } **override public string** Step2() {  **return** "AlgorithmV2:Step2 ";  } } **class** Program { **static void** Main(**string**[] args) { Algorithm m1 = **new** AlgorithmV1(); Algorithm m2 = **new** AlgorithmV2(); m1.TemplateMethod(); m2.TemplateMethod(); Console.ReadKey(); } }} |