Factory Pattern Design UML:

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| Client  CakeFactory- createCake(Cake.Flavor) |

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| Interface/abstract  Cake |

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| FactoryPattern  CakeFactory.createCake(Flavor) |

extends

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| Cake Flavors  Chocolate, Marble, Basic |

By encapsulating all the Cake Flavors in Cake Factory into one class, we know have only one place to make modifications when the implementation changes.