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Section A: Task 2

2.1)   A good way to approach this is with an if statement that when a factory tries to run a specific piece of code(create product of type) then it just returns nothing or outputs that this type of product is not available for the type of factory.

2.2)   One way to solve this problem is to not implement the function in the derived class, but this could cause problems when using polymorphism and the object accidentally calls the method, a good way to solve this is to still implement the function but let it return a nullptr and show output stating its unavailable/can't be created. Another check should then be done on the client to see if the newly created object is null, so we don't try and perform operations on it.

2.4)