

# Factory Method

## Type

- Producer sample

## Purpose

- Define an interface to create a single object but let subclasses decide which objects to create

## Also known as

- Virtual constructor

## Use case

- A class does not know what kind of objects to create
- Subclasses decide what object to create
- Classes delegate the creation of objects to subclasses

# Factory Method

Product

- Objects created by `factoryMethod`.

Concrete Product

- Implements the interface

Creator

- Declares the factory method
- Calls the factory method

Concrete Creator

- Overwrites the factory method

