

bailun

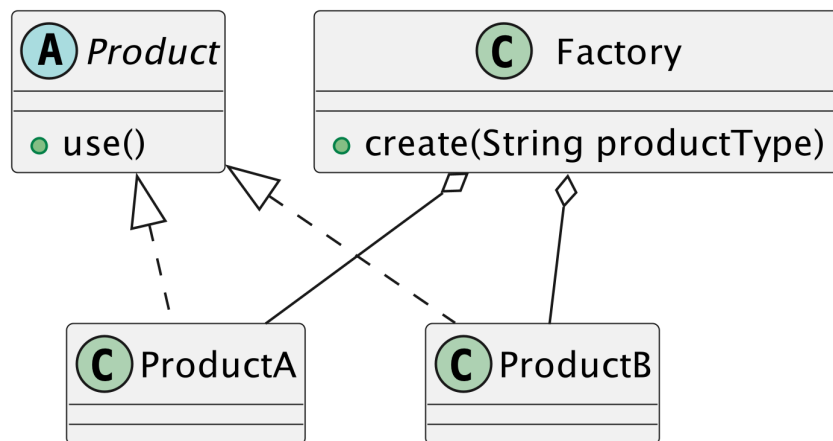
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1 (Simple Factory)

1.1 UML



1.2

```
public class Excmple {
    public static abstract class Product {
    public abstract void use();
    }
}
```

```

        public static class ProductA extends Product {
@Override
public void use() {
    System.out.println("Use Product A");
}
    }

        public static class ProductB extends Product {
@Override
public void use() {
    System.out.println("Use Product B");
}
    }

        public static class Factory {
public static Product create(String productName) {
    if ("A".equals(productName)) {
return new ProductA();
    } else if ("B".equals(productName)) {
return new ProductB();
    }
    return null;
}
    }

        public static void main(String[] args) {
Product productA = Factory.create("A");
Product productB = Factory.create("B");
productA.use();
productB.use();
    }
}

```