

JavaReverse::AbstractFactory2::Overview

```
classDiagram
    class IfabricaNotebook {
        +FabricaAcer()
        +FabricaDell()
    }
    class FabricaAcer {
        +CriaNotebookComum() Inotecomum
        +CriaNotebookGamer() Inotegamer
    }
    class FabricaDell {
        +CriaNotebookComum() Inotecomum
        +CriaNotebookGamer() Inotegamer
    }
    class Inotecomum {
        +Inspiron3520()
        +Aspire3()
    }
    class Inspiron3520 {
        +ExibeInfoNoteComum() void
    }
    class Aspire3 {
        +ExibeInfoNoteComum() void
    }
    IfabricaNotebook <|-- FabricaAcer
    IfabricaNotebook <|-- FabricaDell
    Inotecomum <|-- Inspiron3520
    Inotecomum <|-- Aspire3
    IfabricaNotebook --> FabricaAcer
    IfabricaNotebook --> FabricaDell
    Inotecomum --> Inspiron3520
    Inotecomum --> Aspire3
```

The diagram illustrates the Abstract Factory pattern for creating Acer and Dell notebooks. It consists of the following components:

- Interfaces:**
 - IfabricaNotebook:** Defines two methods: `+FabricaAcer()` and `+FabricaDell()`.
 - Inotecomum:** Defines two methods: `+Inspiron3520()` and `+Aspire3()`.
- Concrete Factories:**
 - FabricaAcer:** Implements `+CriaNotebookComum(): Inotecomum` and `+CriaNotebookGamer(): Inotegamer`.
 - FabricaDell:** Implements `+CriaNotebookComum(): Inotecomum` and `+CriaNotebookGamer(): Inotegamer`.
- Concrete Products:**
 - Inspiron3520:** Implements `+ExibeInfoNoteComum(): void`.
 - Aspire3:** Implements `+ExibeInfoNoteComum(): void`.

The diagram shows the following relationships:

- IfabricaNotebook** is the base interface for **FabricaAcer** and **FabricaDell**.
- Inotecomum** is the base interface for **Inspiron3520** and **Aspire3**.
- FabricaAcer** and **FabricaDell** are concrete factories that implement the **IfabricaNotebook** interface.
- Inspiron3520** and **Aspire3** are concrete products that implement the **Inotecomum** interface.
- The **FabricaAcer** and **FabricaDell** factories are associated with the **Inotecomum** interface, indicating they create objects of that type.
- The **Inspiron3520** and **Aspire3** products are associated with the **Inotecomum** interface, indicating they are created by the **Inotecomum** interface.

Additional details from the diagram:

- The **FabricaAcer** and **FabricaDell** factories are associated with the **Inotecomum** interface, indicating they create objects of that type.
- The **Inspiron3520** and **Aspire3** products are associated with the **Inotecomum** interface, indicating they are created by the **Inotecomum** interface.
- The **FabricaAcer** and **FabricaDell** factories are associated with the **Inotecomum** interface, indicating they create objects of that type.
- The **Inspiron3520** and **Aspire3** products are associated with the **Inotecomum** interface, indicating they are created by the **Inotecomum** interface.

