



3 tane Fabrika sınıfı var.Domestic,Eurasia,Other.PlaneFactory sınıfının createPlane() metodu abstract.O yüzden PlaneFactory sınıfıda abstract.Engine_Injection ve Seating_Cover arayüzleri eklendi. Pizza örneğindeki Dough ve Chesse türleri gibi.Buradan miras alıp 3'er tane yeni sınıf elde edildi.

Yeni olarak Plane arayüzüne setInjection() ve setSeating_Cover() methodları ve Engine_Injection ve Seating_Cover objeleri eklendi.Fabrika sınıfları createPlane() metodlarında bu objeri ayarlayabiliyorlar.

Örnek olarak bir fabrika sınıfının parçası:

```
public class Domestic_Factory extends PlaneFactory {
    @Override
    Plane createPlane(String type) {
        Plane tmp;
        if(type.equals("Domestic flights")){
            tmp=new TPX_100();
            tmp.setInjection(new Turbojet());
            tmp.setSeating_cover(new Velvet());
            return tmp;
        }

        else if(type.equals("Domestic and short international flights"))
        {
            tmp=new TPX_200();
            tmp.setInjection(new Turbojet());
            tmp.setSeating_cover(new Velvet());
            return tmp;
        }
    }
}
```

The screenshot displays an IDE window for a project named 'OODA_2_3_2'. The left sidebar shows a file explorer with a 'src' directory containing various factory and plane classes. The main editor shows the 'Main' class with a 'main()' method. The code uses a factory pattern to create different plane objects based on the input string. The output window at the bottom shows the execution results for three different plane types: Turbojet, Turbofan, and Geared Turbofan.

```
public class Main {  
    public static void main(String[] args) {  
        PlaneFactory plane_factory=new Domestic_Factory();  
        Plane plane=plane_factory.makePlane( type: "Domestic flights");  
        System.out.println();  
        plane_factory=new Eurasia_Factory();  
        plane=plane_factory.makePlane( type: "Domestic flights");  
        System.out.println();  
        plane_factory=new Other_Factory();  
        plane=plane_factory.makePlane( type: "Domestic flights");  
        System.out.println();  
        plane_factory=new Domestic_Factory();  
        plane=plane_factory.makePlane( type: "Domestic and short international flights");  
        System.out.println();  
        plane_factory=new Eurasia_Factory();  
        plane=plane_factory.makePlane( type: "Domestic and short international flights");  
        System.out.println();  
        plane_factory=new Other_Factory();  
        plane=plane_factory.makePlane( type: "Domestic and short international flights");  
        System.out.println();  
        plane_factory=new Domestic_Factory();  
        plane=plane_factory.makePlane( type: "Transatlantic flights");  
        System.out.println();  
        plane_factory=new Eurasia_Factory();  
        plane=plane_factory.makePlane( type: "Transatlantic flights");  
        System.out.println();  
        plane_factory=new Other_Factory();  
        plane=plane_factory.makePlane( type: "Transatlantic flights");  
    }  
}
```

Run Main

"C:\Program Files\Java\jdk1.8.0_151\bin\java" ...

Turbojet has placed.
Velvet covers has placed.
Aluminum alloy skeleton constructed.
Single jet engine placed.
50 seats placed.

Turbofan has placed.
Linen covers has placed.
Aluminum alloy skeleton constructed.
Single jet engine placed.
50 seats placed.

Geared Turbofan has placed.
Leather covers has placed.
Aluminum alloy skeleton constructed.
Single jet engine placed.
50 seats placed.

Kullanım demosu.

Her çeşit uçak her çeşit fabrikada denenmiştir.