Template Method Pattern

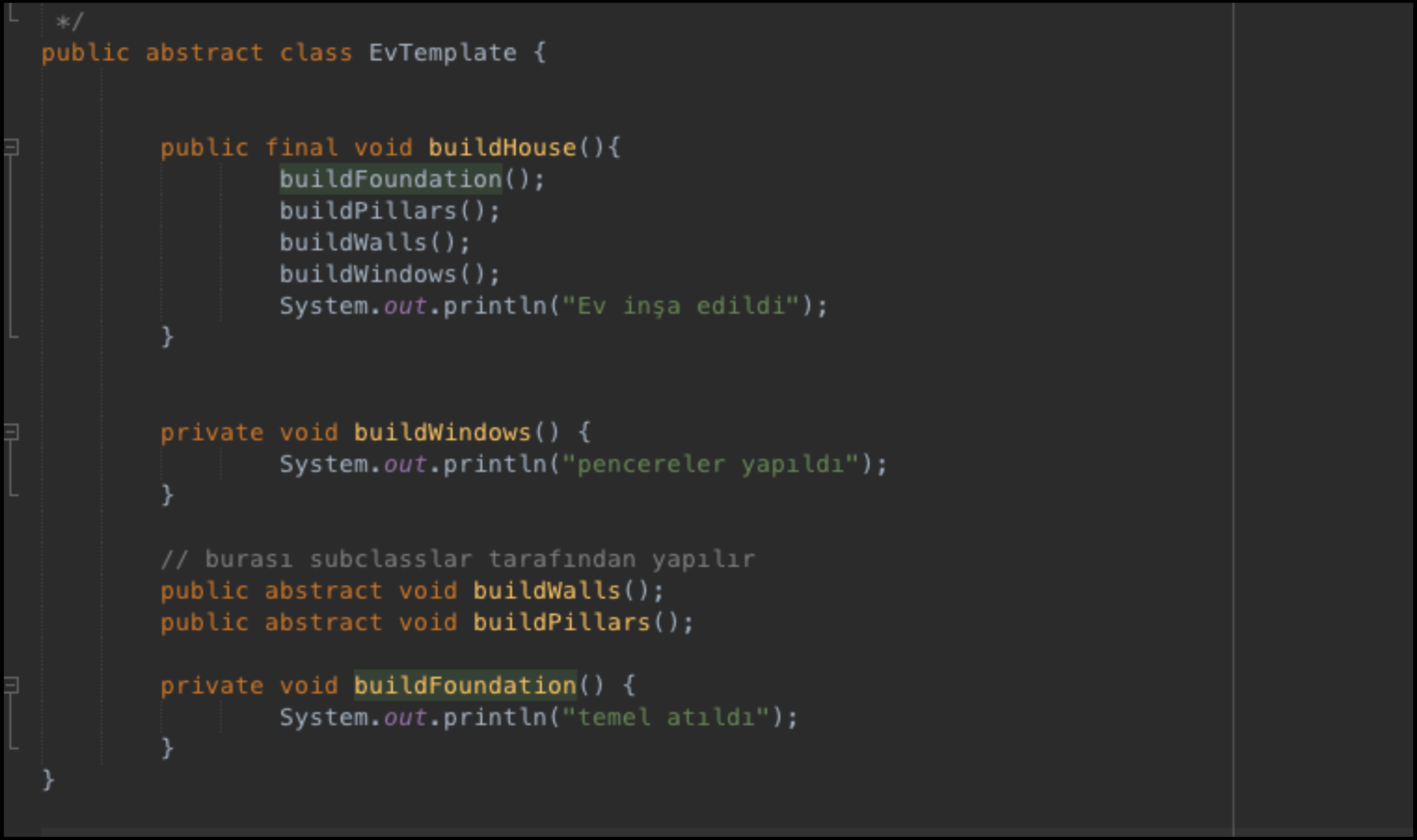
Template Method Pattern

- Behavioral design pattern
- Defines the steps of algorithm

Home Example

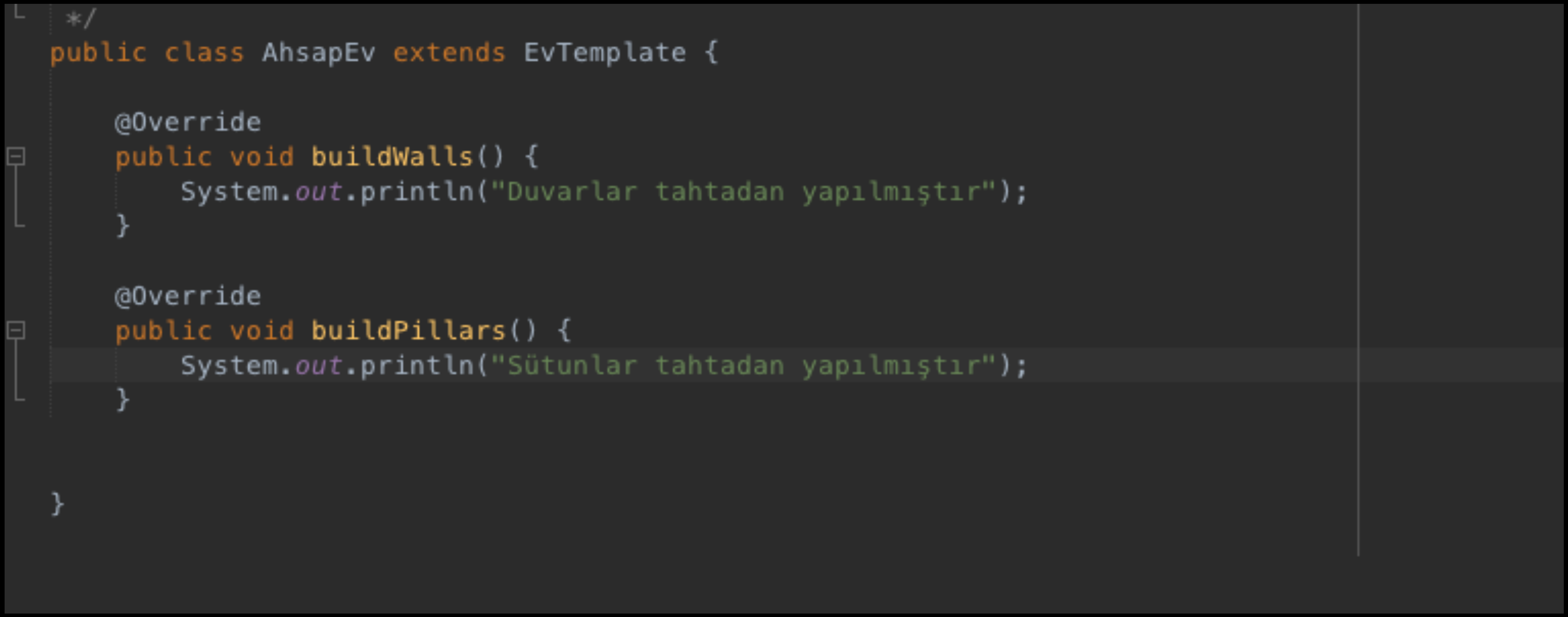
- Foundation
- Pillars
- Walls
- Windows

HomeTemplate



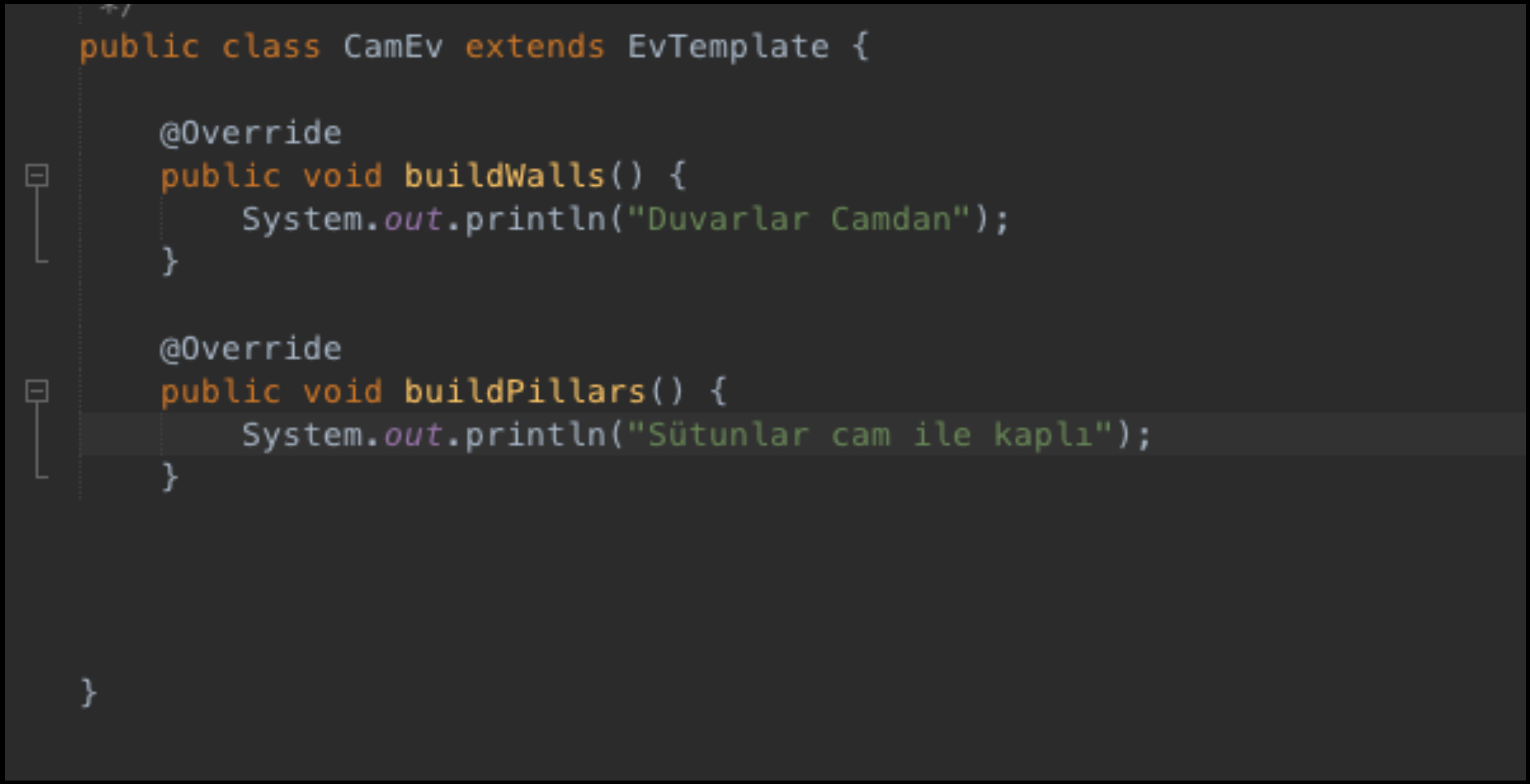
```java
 */
public abstract class EvTemplate {


        public final void buildHouse(){
                buildFoundation();
                buildPillars();
                buildWalls();
                buildWindows();
                System.out.println("Ev inşa edildi");
        }


        private void buildWindows() {
                System.out.println("pencereler yapıldı");
        }

        // burası subclasslar tarafından yapılır
        public abstract void buildWalls();
        public abstract void buildPillars();

        private void buildFoundation() {
                System.out.println("temel atıldı");
        }
}
```

Wood Home



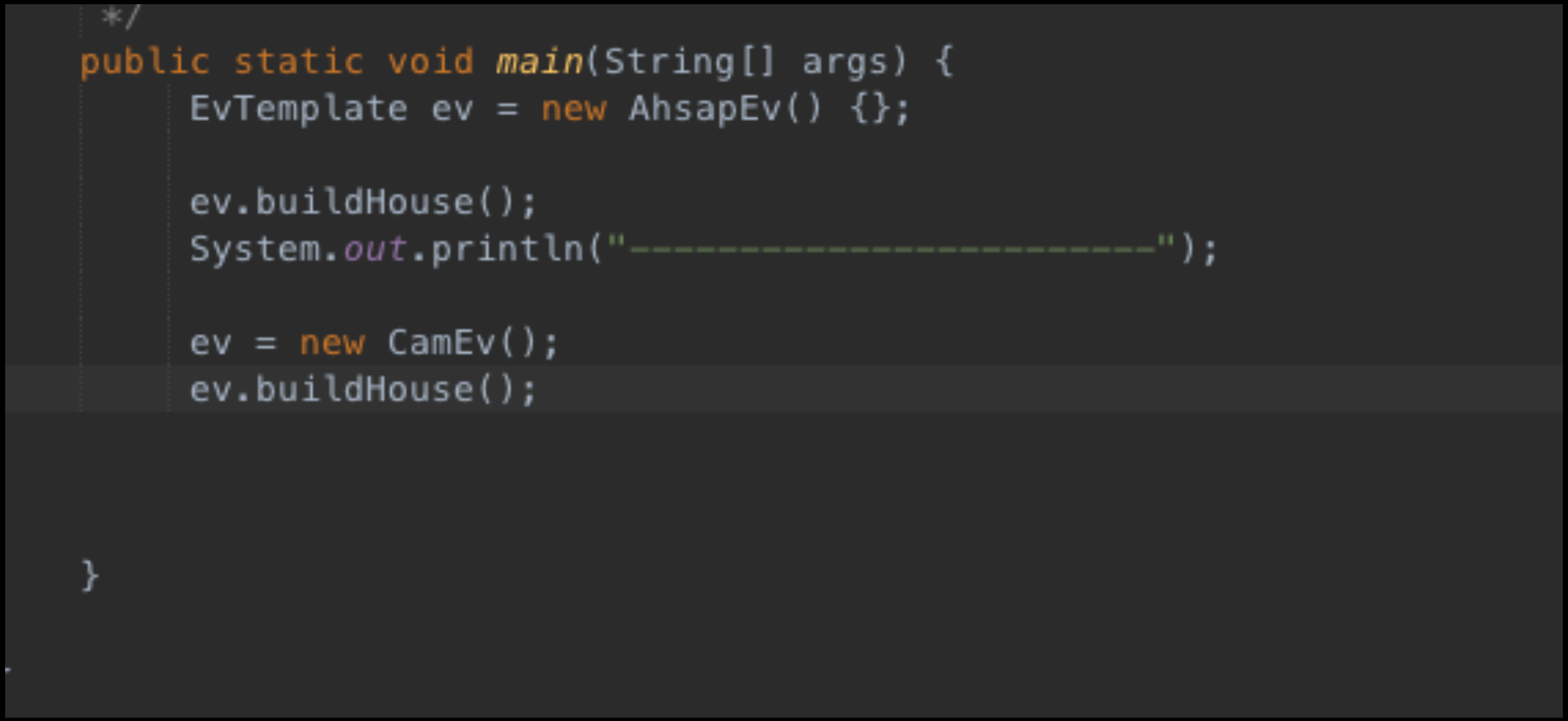
```
 */
public class AhsapEv extends EvTemplate {

    @Override
    public void buildWalls() {
        System.out.println("Duvarlar tahtadan yapılmıştır");
    }

    @Override
    public void buildPillars() {
        System.out.println("Sütunlar tahtadan yapılmıştır");
    }


}
```

Glass Home



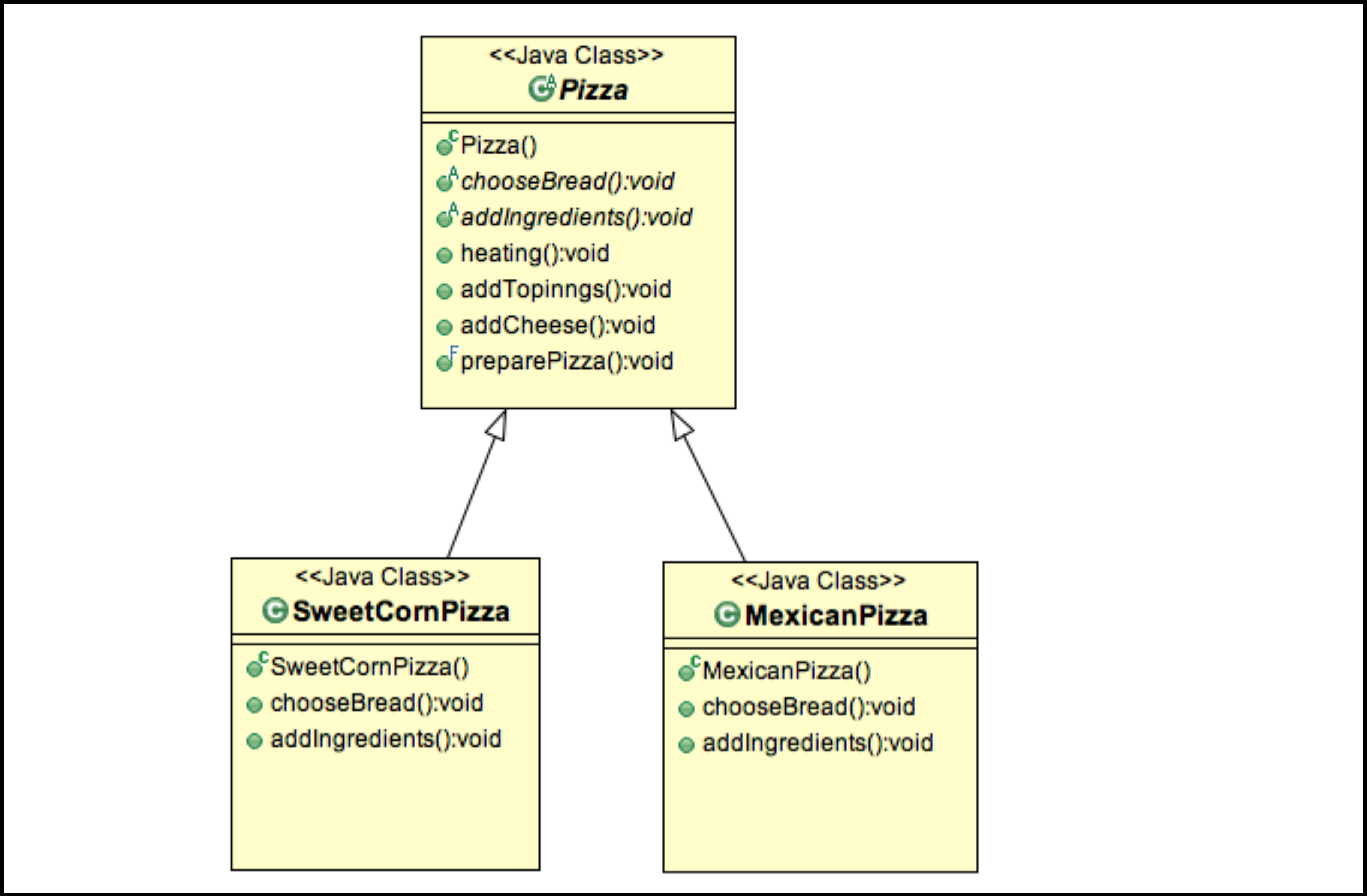
```
 */
public class CamEv extends EvTemplate {

    @Override
    public void buildWalls() {
        System.out.println("Duvarlar Camdan");
    }

    @Override
    public void buildPillars() {
        System.out.println("Sütunlar cam ile kaplı");
    }



}
```

Main Class



```
 */
public static void main(String[] args) {
     EvTemplate ev = new AhsapEv() {};

     ev.buildHouse();
     System.out.println("------------------------");

     ev = new CamEv();
     ev.buildHouse();



}
```

Pizza example



<<Java Class>>
Pizza

Pizza()
chooseBread():void
addIngredients():void
heating():void
addTopinngs():void
addCheese():void
preparePizza():void

<<Java Class>>
SweetCornPizza

SweetCornPizza()
chooseBread():void
addIngredients():void

<<Java Class>>
MexicanPizza

MexicanPizza()
chooseBread():void
addIngredients():void