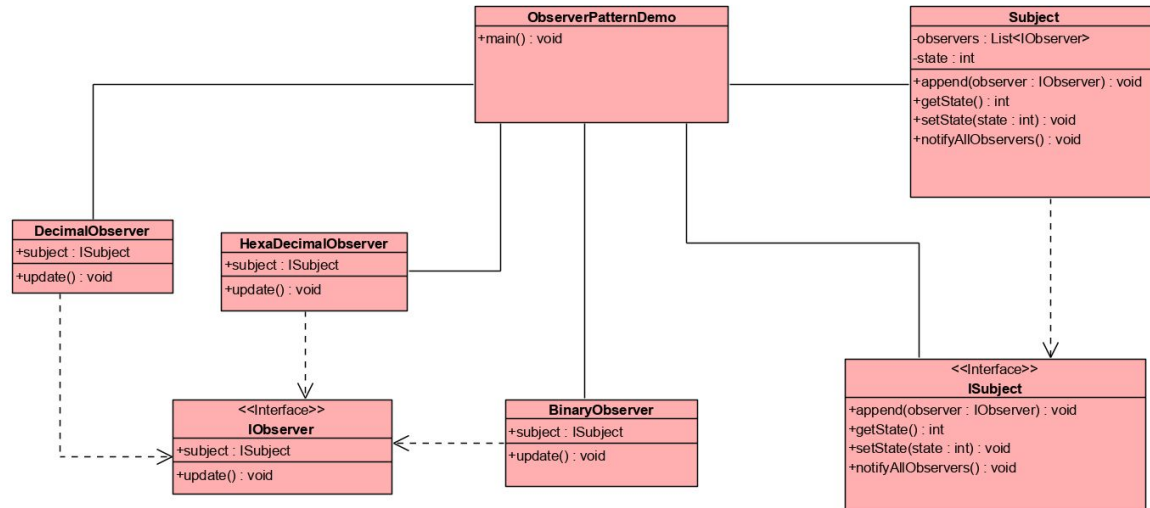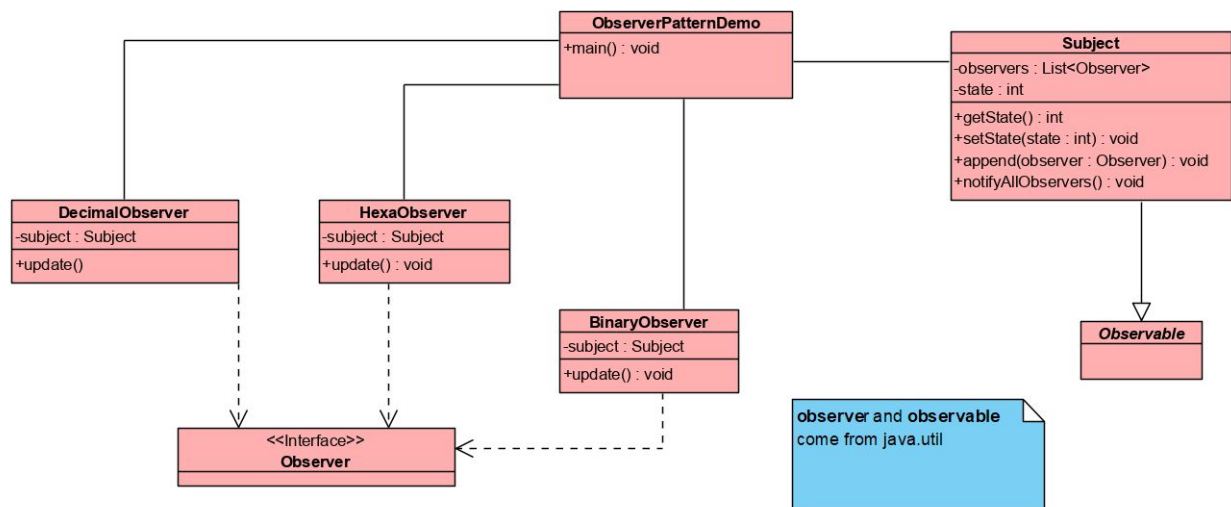Sümeyra Özuğur 170709046

Solution:
1.
  a.
Create necessary classes and interfaces to apply Observer Pattern and modify the existing code accordingly. Your source files for this solution should be placed under **"midterm.observer.myclasses"** package
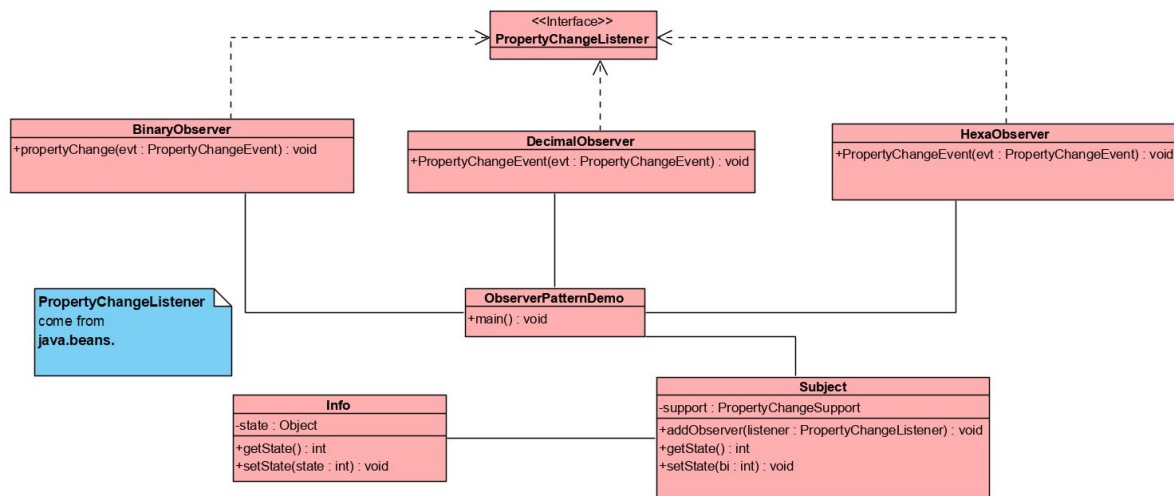

b.
Use the java.util classes to apply the Observer pattern. Your source files for this solution should be placed under "**midterm.observer.javautil**" package
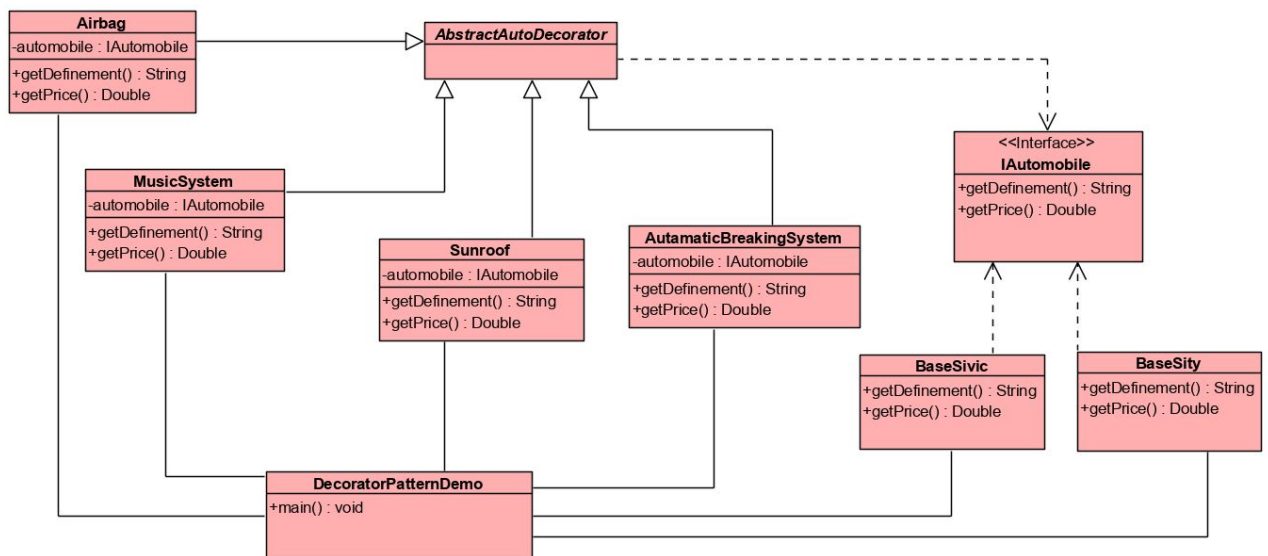
c.)
Use PropertyChangeSupport to apply the Observer Pattern. Your source files for this solution should be placed under "**midterm.observer.propertychange**" package.

2)
Apply the most relevant design pattern to the following problem. Your source files should be placed under "**midterm.pattern1**" package?

I used **Decorator Pattern** for this question.

3)

Refactor the code given in "**midterm.pattern2**" package by applying the most relevant design pattern so that when new attack and move behavior modes are introduced.

I used **Strategy Pattern** for this question.