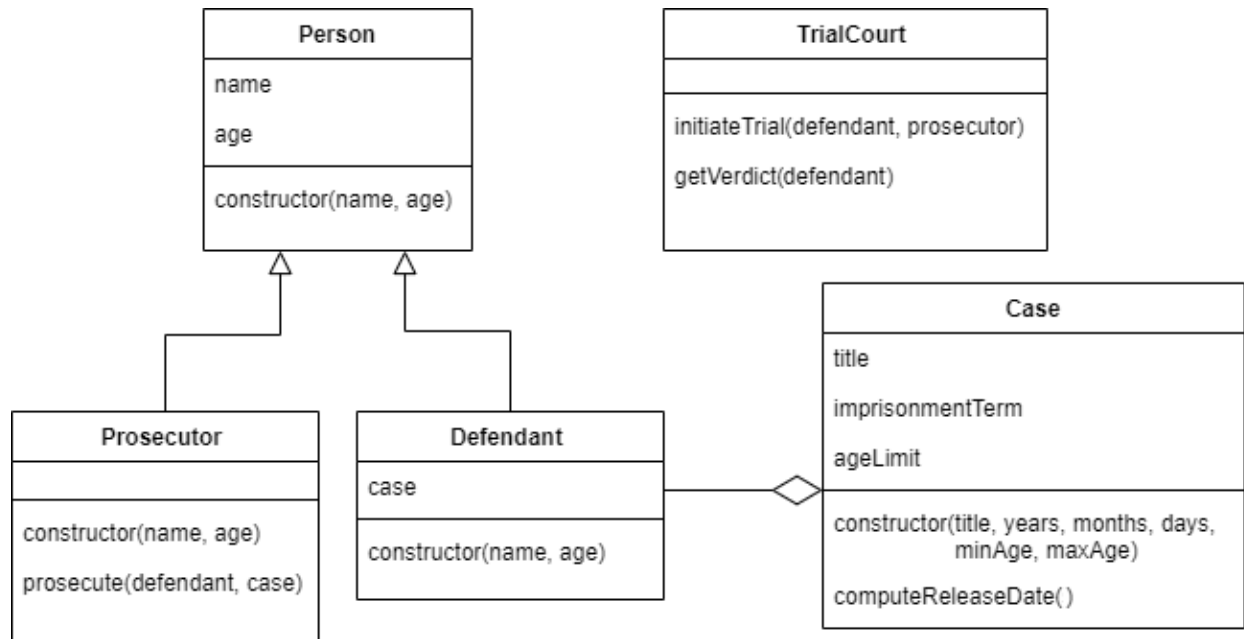


For this activity, convert the simplified class diagram below into code. You will connect the dots for each given function (meaning, you will figure out how they relate to each other). Make sure to familiarize yourself first what is class diagram and how to read it.



Once you finished coding, test your logic with the following codes.

I. When defendant is younger than 18 yrs old.

```

// let's say the imprisonment term for this case is 3 years, 3 months, 3 days
// and the age of someone who can be convicted is between 18 to 75 years old.
let case1 = new Case("Malicious Mischief", 3, 3, 3, 18, 75);
let prosecutor = new Prosecutor ("John", 30);
let defendant1 = new Defendant ("Girlie", 5);

prosecutor.prosecute(defendant1, case1);

TrialCourt.initiateTrial(defendant1, prosecutor);
/*
  Name: Girlie
  Age: 5 years old
  Case Title: Malicious Mischief
  Filed by: John
*/

```

```
Verdict: NOT GUILTY
*/
```

II. When the defendant's age is between 18 to 75 years old.

```
// let's say imprisonment term for this case is 3 years, 3 months, 3 days
// and the age of someone who can be convicted is between 18 to 75 years old.
let case1 = new Case("Malicious Mischief", 3, 3, 3, 18, 75);
let prosecutor = new Prosecutor ("John", 30);
let defendant2 = new Defendant ("One1", 25);

prosecutor.prosecute(defendant2, case1);
// let's say today is December 17, 2020
TrialCourt.initiateTrial(defendant2, prosecutor);
//   Name: One1
//   Age: 25 years old
//   Case Title: Malicious Mischief
//   Filed by: John
//   Verdict: GUILTY
//   Release date: 21 March 2024
```

Explanation:

A Prosecutor can set a case to Defendant (thru calling prosecute() function). We will assume that a Defendant can have one case only. Whenever trial is initiated, it will log the details of Defendant, Prosecutor, and the verdict (if guilty or not). For a guilty Defendant, include also the computed release date.

For simplicity's sake, let's assume that all Defendants will be convicted of a crime if his/her age is within the filed case's age limit.