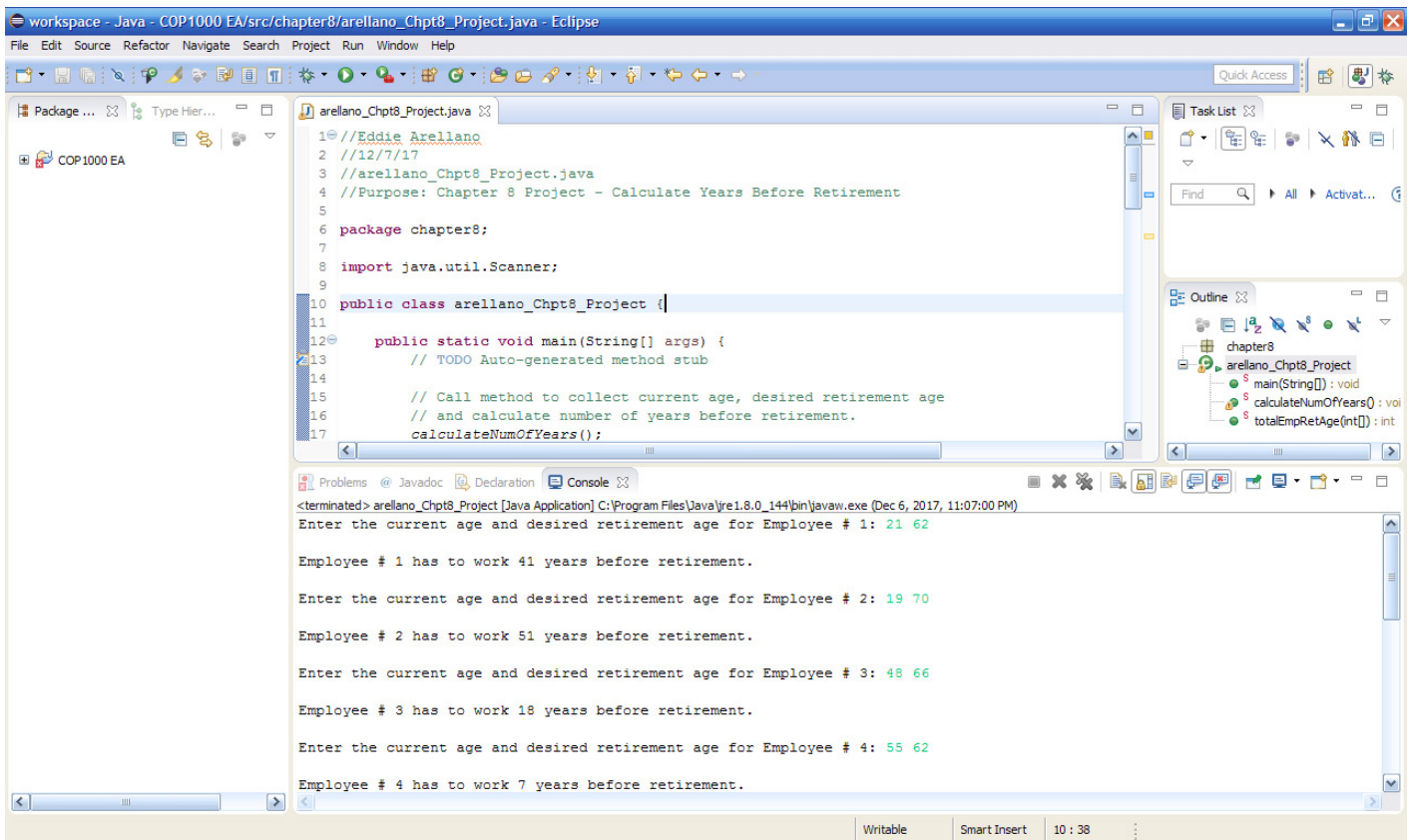


Pseudo code:

- Program defines a two-dimensional array with 10 rows and 2 columns (*empTable*).
- Program prompts the user to enter the current age and desired retirement age for 10 employees.
 - Program stores inputs for each employee in a different row of the array and validates the following set of conditions: Where the current age (*CurrAge*) for each are set between 19 and 70 and the valid retirement ages (*RetAge*) are 62, 66, and 70.
 - Program also checks the inputs are entered correctly using a Boolean (*bCheck* is the variable).
 - If either number is not entered correctly (*bCheck = false*) based on the set conditions, it will prompt to list employee data again until it gets out of the loop (*bCheck = true*).
- Program calculates the number of years the employee has to work before they reach their desired retirement age by calling out a method to compute the row of numbers entered (*EmpRow*) in this manner: $totalEmpRetAge = empRow[1] - empRow[0]$
- Program displays the results (*totalEmpRetAge*) in the row.



```
1 //Eddie Arellano
2 //12/7/17
3 //arellano_Chpt8_Project.java
4 //Purpose: Chapter 8 Project - Calculate Years Before Retirement
5
6 package chapter8;
7
8 import java.util.Scanner;
9
10 public class arellano_Chpt8_Project {
11
12     public static void main(String[] args) {
13         // TODO Auto-generated method stub
14
15         // Call method to collect current age, desired retirement age
16         // and calculate number of years before retirement.
17         calculateNumOFYears();
18     }
19 }
```

<terminated> arellano_Chpt8_Project [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Dec 6, 2017, 11:07:00 PM)

Enter the current age and desired retirement age for Employee # 1: 21 62

Employee # 1 has to work 41 years before retirement.

Enter the current age and desired retirement age for Employee # 2: 19 70

Employee # 2 has to work 51 years before retirement.

Enter the current age and desired retirement age for Employee # 3: 48 66

Employee # 3 has to work 18 years before retirement.

Enter the current age and desired retirement age for Employee # 4: 55 62

Employee # 4 has to work 7 years before retirement.

Writable Smart Insert 10 : 38