

Core Java - Collections Assignment

Instructions:

Below you will find a series of assignments that you will complete in this exercise. You will need to create a new project folder for this task and name it **Java_Assignment_10_Collections**. You can use the default settings when creating the new project.

For each of the below assignments you will create new classes as specified below. You can keep them in the default package.

Most classes will NOT declare a `main()` method except for the `Application.java` file that you will write for a package. In your assignments, you will execute the `main()` method of the `Application.java` file.

Assignments

1. Write a class **Account** that declares an `id` (long) property and an `accountType` (String) property. Create a method that has the following signature:

`List<Account> createAccounts(int numAccounts).`

The method should create a number of Accounts equal to the `numAccounts` parameter and return those accounts in a List. For example, `createAccounts(5)` should create five instances of `Account` and return those in a List.

In an `Application` class, call the `createAccounts()` and then loop through the returned List and print the `ids` of each `Account`.

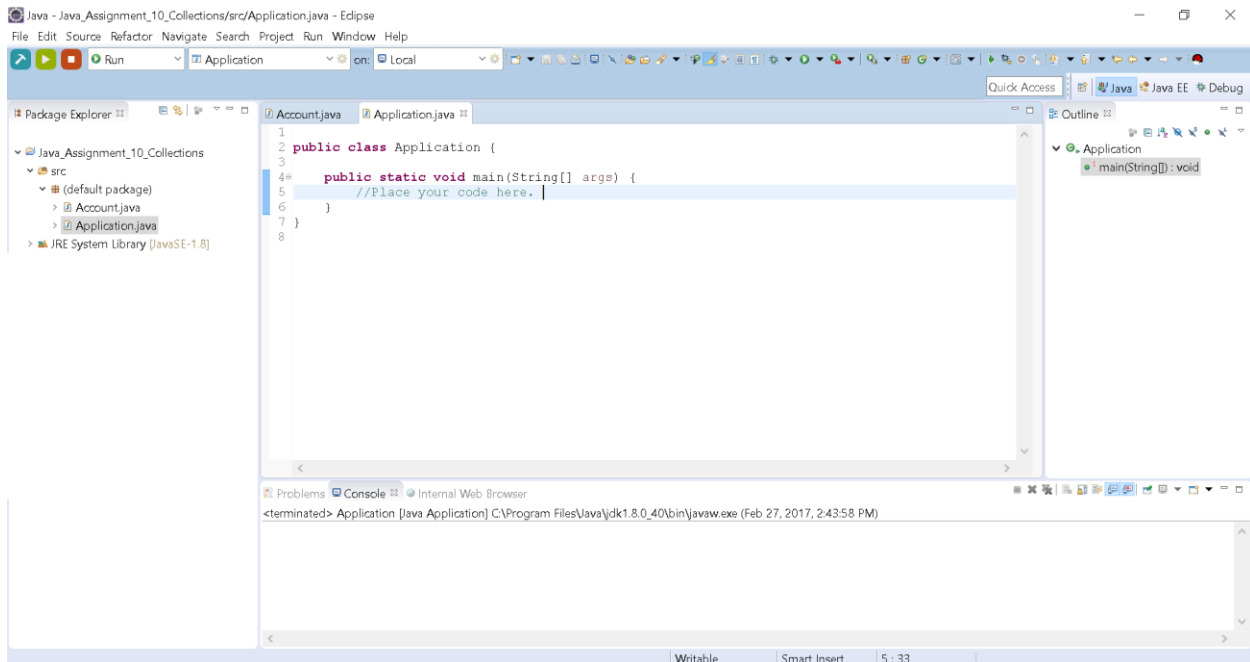
Goal:

The purpose of this assignment is to provide you practice with writing classes that make use of Collections. You will utilize the **main()** method of your classes to execute a particular goal of the assignment. This `main()` method should be implemented in a `Application.java` file.

By the end of this assignment, you will have 1 new project folder with the classes that meet the requirements mentioned above.

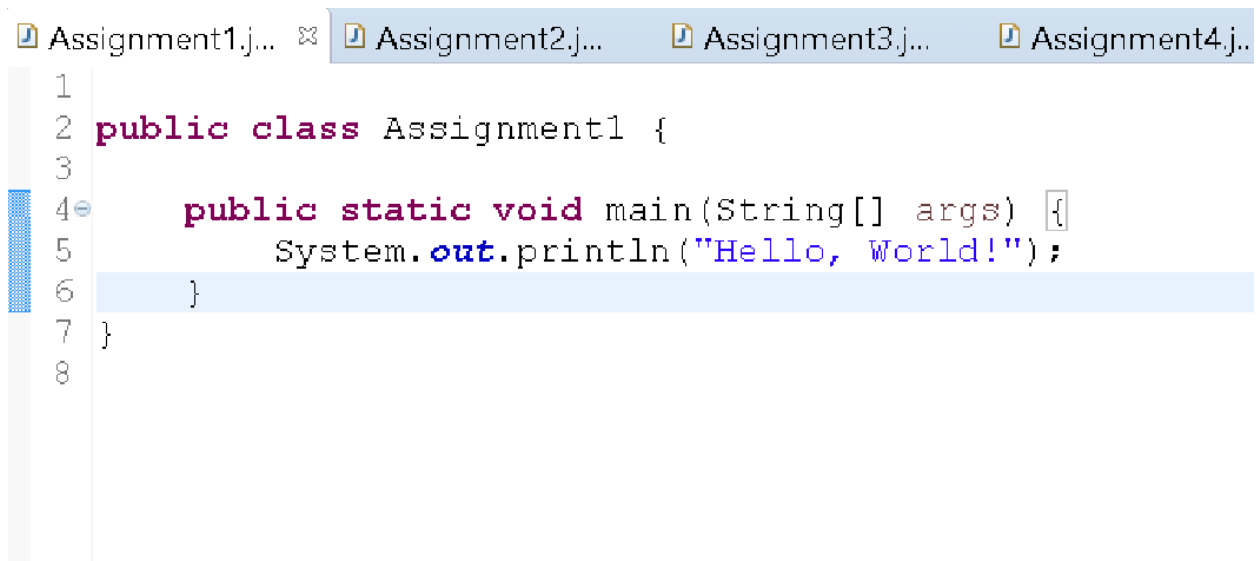
Helpful Notes

Project Structure:



- Your project structure should resemble the above. Note that the name of the project is **Java_Assignment_10_Collections** and all class files are named according to the associated assigned number

Assignment Classes:



- Notice the indentation of the statement on line 5 to show that it is part of the main() method. Likewise, your code should follow this pattern.

