

Core Java - Keywords 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_6_Keywords**. 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. Create a package **com.mycompany.main** to place your files in.
Create a class named **StaticClass**. Write a static method that computes the sum of two floating point numbers. Use this method in an `Application` class, to compute the sum of two numbers that you pass to your static method.
2. Create a class named **FinalClass** and define an instance variable, `myConstant`. Use the **final** keyword to mark the instance variable as final. This makes it a constant. Add a statement to your `Application` class to print the value of this constant.
3. Write a class named **AbstractClass** and declare it abstract. It should have an abstract method `run()`. Declare another class **ConcreteClass** and it should extend `AbstractClass`. Implement the `run()` method. In the `Application` class, add a statement to create an instance of `ConcreteClass` and then call the `run()` method.

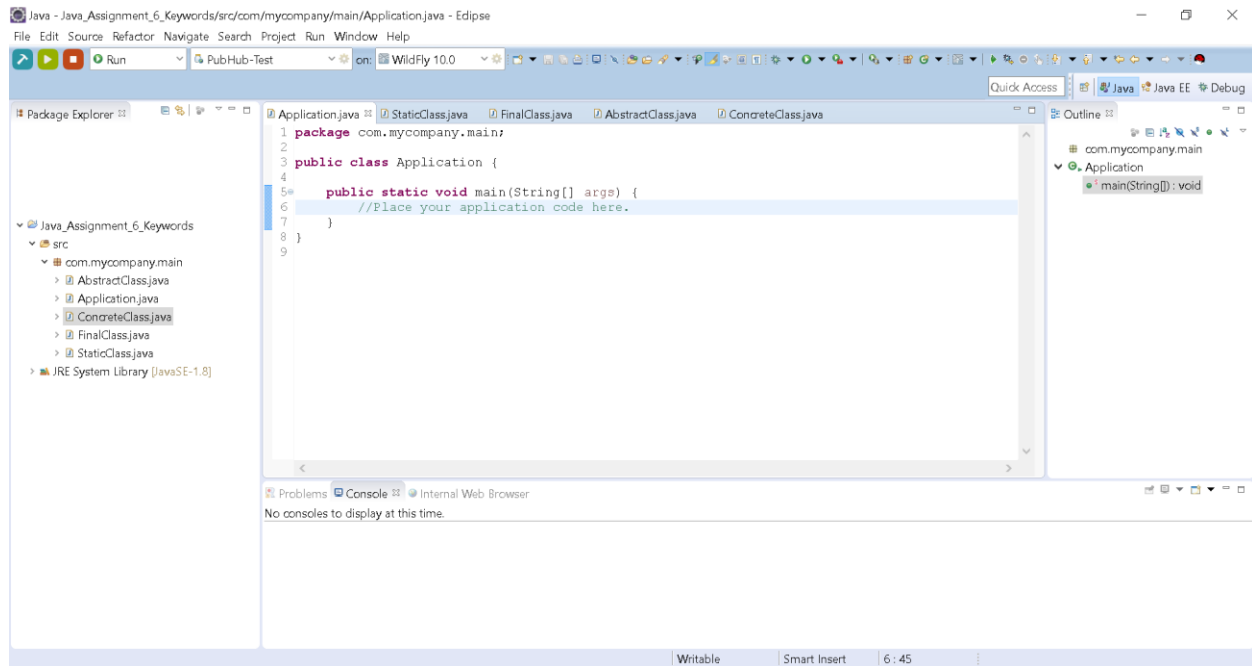
Goal:

The purpose of this assignment is to provide you practice with writing classes that use the keywords, static, final and abstract. 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 `Main.java` file.

By the end of this assignment, you will have 1 new project folder with 3 classes that meet the requirements mentioned above.

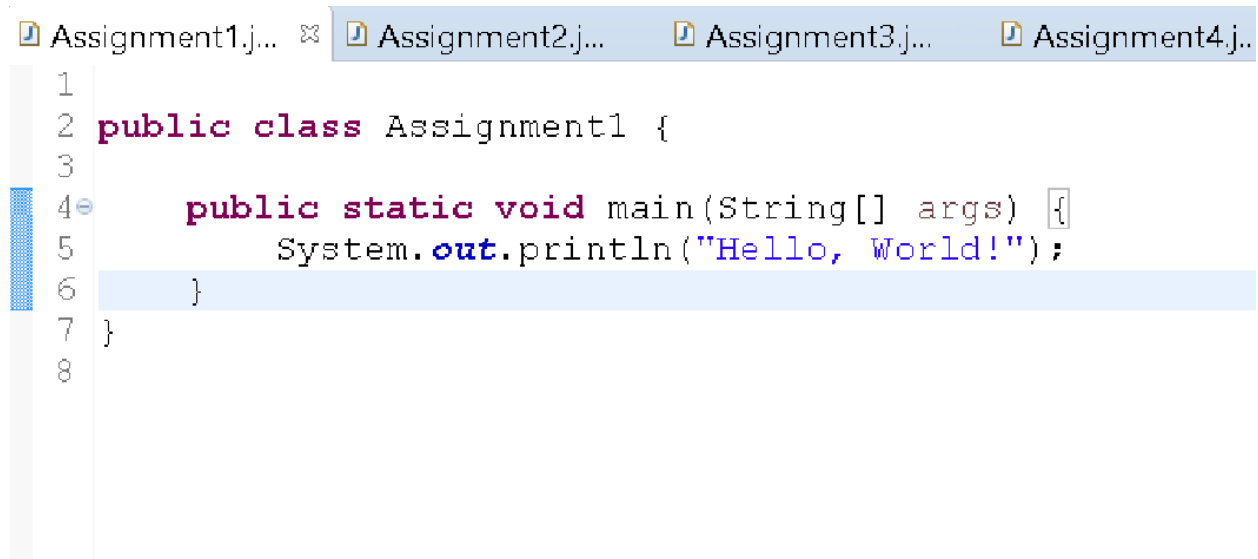
Helpful Notes

Project Structure:



- Your project structure should resemble the above. Note that the name of the project is **Java_Assignment_6_Keywords** 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.