# Challenge: Documents

*Description:* Write a Java application in NetBeans that utilizes a class written for the application called **Document**. The application creates instances of **Document** objects and utilizes its properties and methods.

*Purpose:* To gain experience in creating a class and writing a program that creates object instances of the class.

*Requirements:*

Project Name: <Pawprint>Documents

For the project name follow the same naming scheme used in the first challenge. The project name is to be comprised of your pawprint with the first letter capitalized followed by Documents. For example if the pawprint is abcxyz9 the project is to be named Abcxyz9Documents.

Create a class called **Document** that contains the following:

Four *private* fields: a String called **title**, a String called **author**, a String called **body** and an int called **version**.

Two constructors: one constructor receives parameters **title** and **author** and the other receives **title**, **author**, and **body**. The constructor that receives just the **title** and the **author** sets the **version** to 0. The constructor that receives **title**, **author**, and **body** sets the **version** to 1. The constructors are to take the data they receive as parameters and use them to set the values of the corresponding fields in the class.

The following methods:

**setTitle** - receives a title and sets the title field using it. It also increments the version field value by 1. It does not return anything.
**setAuthor** - receives an author and sets the author field using it. It DOES NOT increment the version field value. It does not return anything.
**setBody** - receives the body and sets the body field using it. It also increments the version field value by 1. It does not return anything.
**getTitle** - returns the title field value.
**getAuthor** - returns the author field value.
**getBody** - returns the body field value.
**getVersion** - returns the version field value.

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In the main() of main class do the following:

Create an instance of Document and supply a title of "Another Life" and an author of "Sally Smith".  Assign the instance to a variable called document1.

Use the document1 instance and the setBody method to set the body to "The grass is always greener on the other side."

Create an instance of Document and supply a title of "Final Word", an author of "Karen Jones", and a body of "We should plan for the worst and hope for the best." Assign the instance to a variable called document2.

Use the document2 instance and setTitle to set the title to "Final Words".

For document1 and document2 print title, author, body, and version to standard out. Use the get methods to get the title, author, body, and version to print. Precede the info that is printed with a line that says "document1:" before the document1 information and "document2:" before the document2 information. Place an empty line between the document1 information and the document 2 information. Place "title: " before the title, "author: " before the author, "body: " before the body, and "version: " before the version. The output should look like the following where the <> information is the field data obtained through the get methods.

```
document1:
title: <title>
author: <author>
body: <body>
version: <version>

document2:
title: <title>
author: <author>
body: <body>
version: <version>
```

Run your application and make sure everything works as expected. ZIP the project directory and submit it on Blackboard.