

.....

## **Intro to Subversion**





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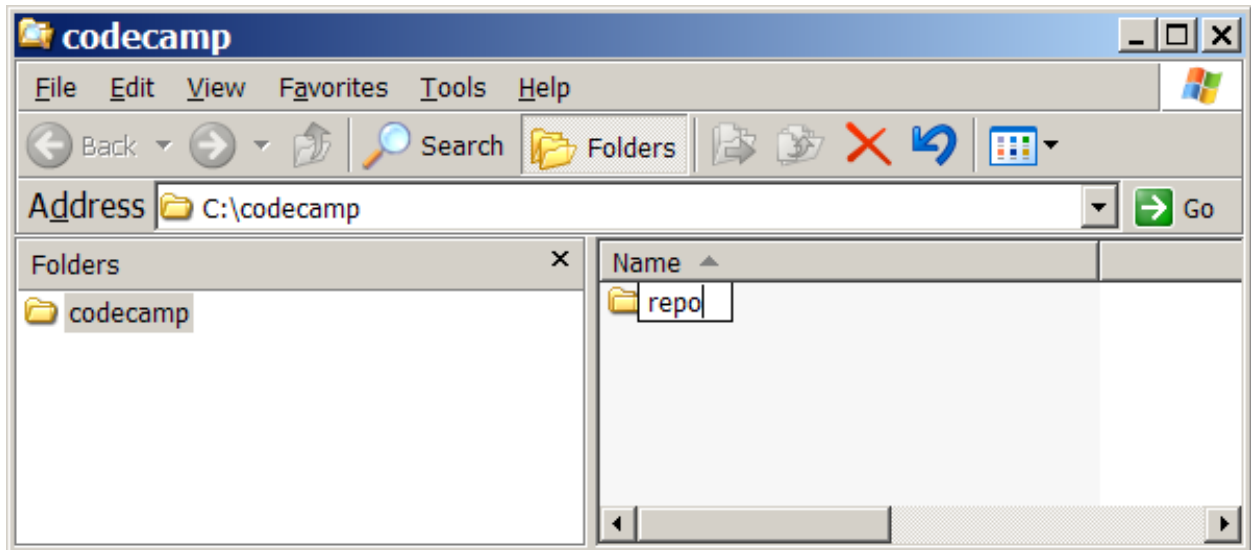


## 1.1 Create

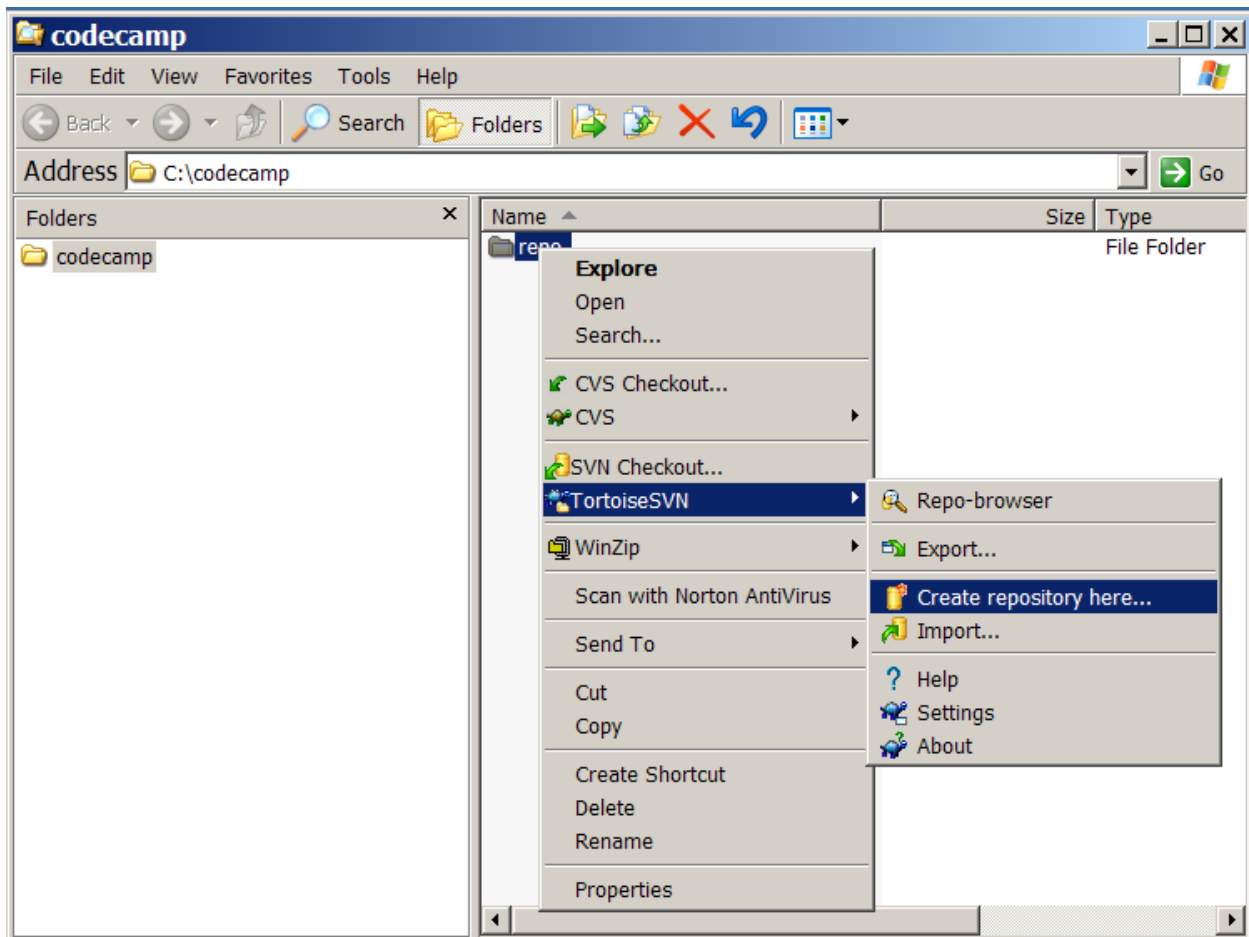
---

### TortoiseSVN Create Repository

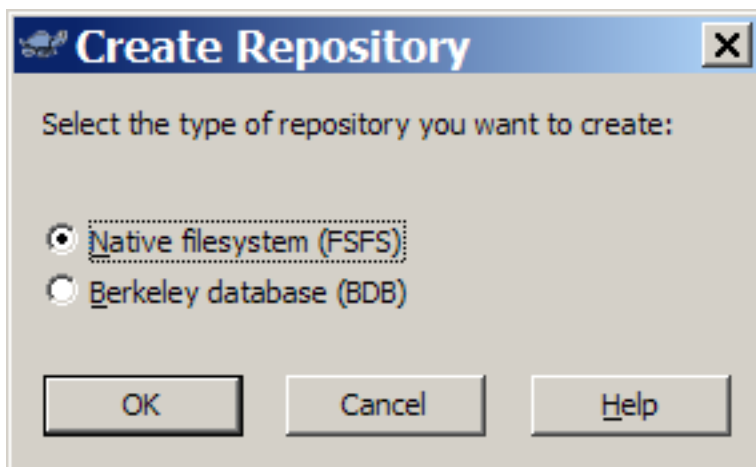
Create a new folder.



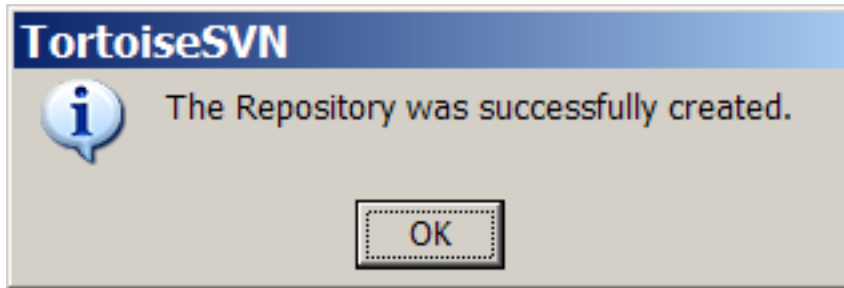
Right-click on the new folder, and choose Create repository here.



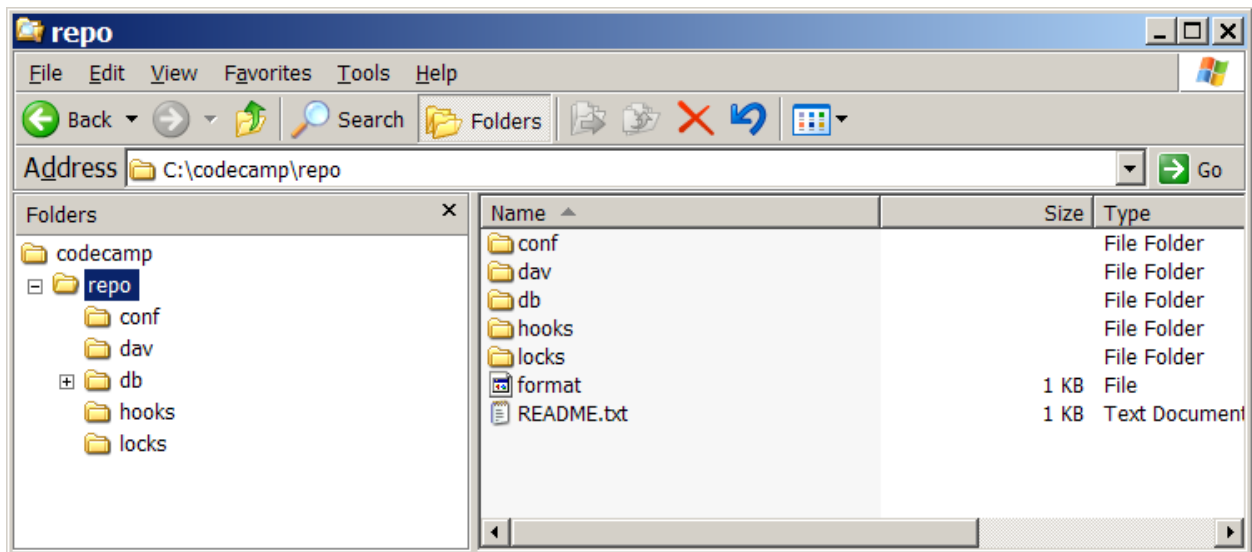
Choose the type of the repository: FSFS



The repository was successfully created.



The structure of a file-system repository:

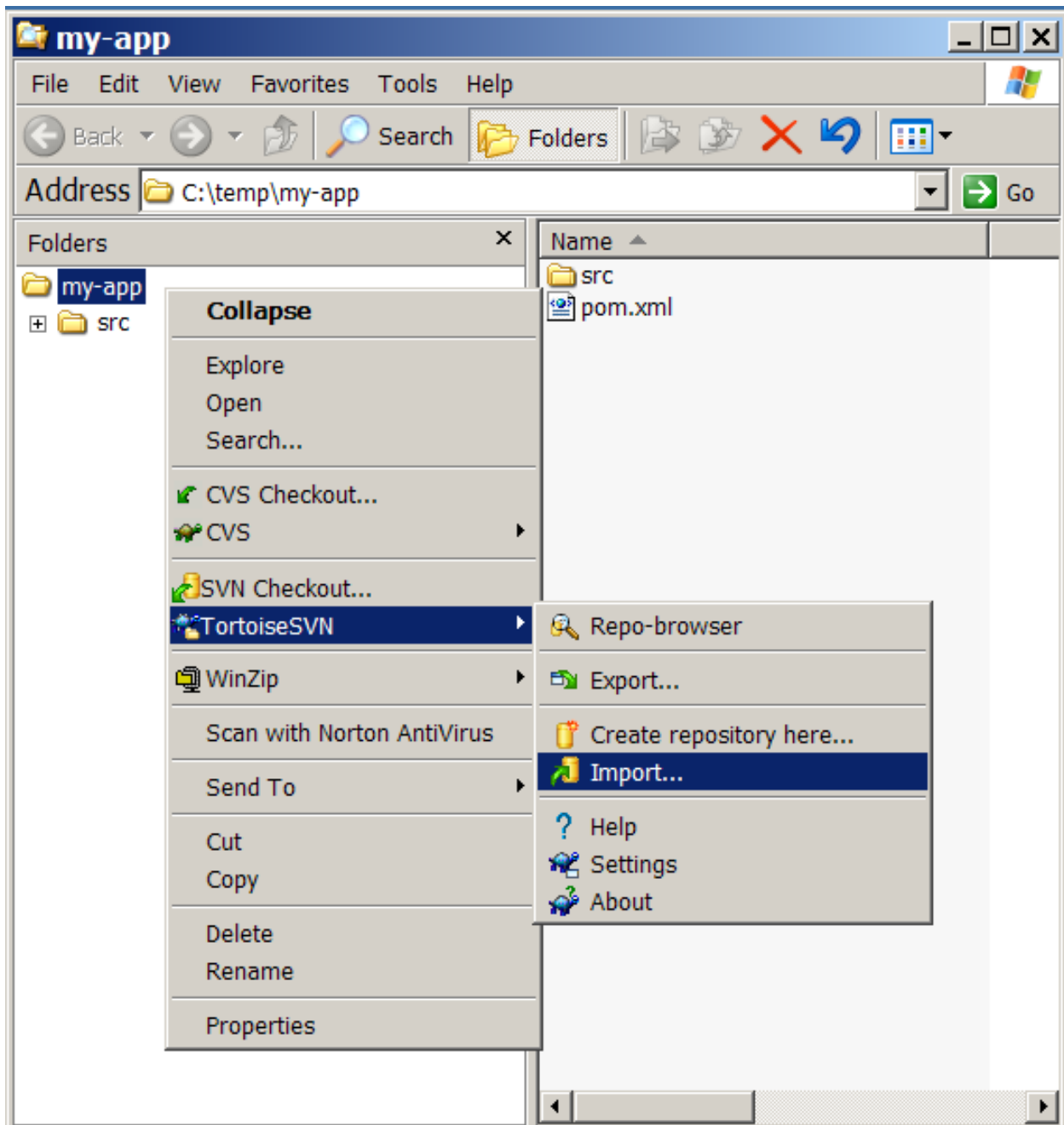


## 1.2 Import

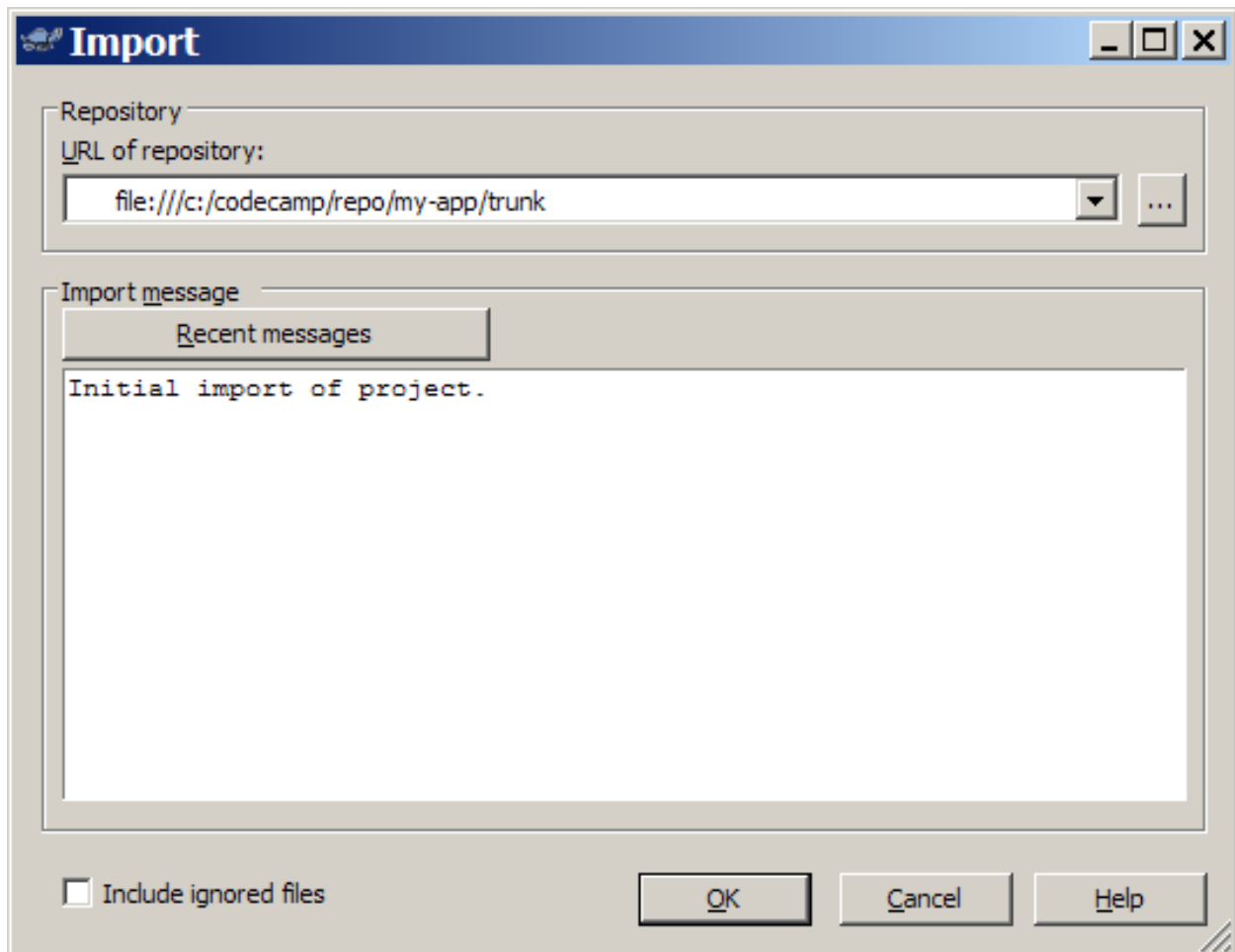
---

### TortoiseSVN Import

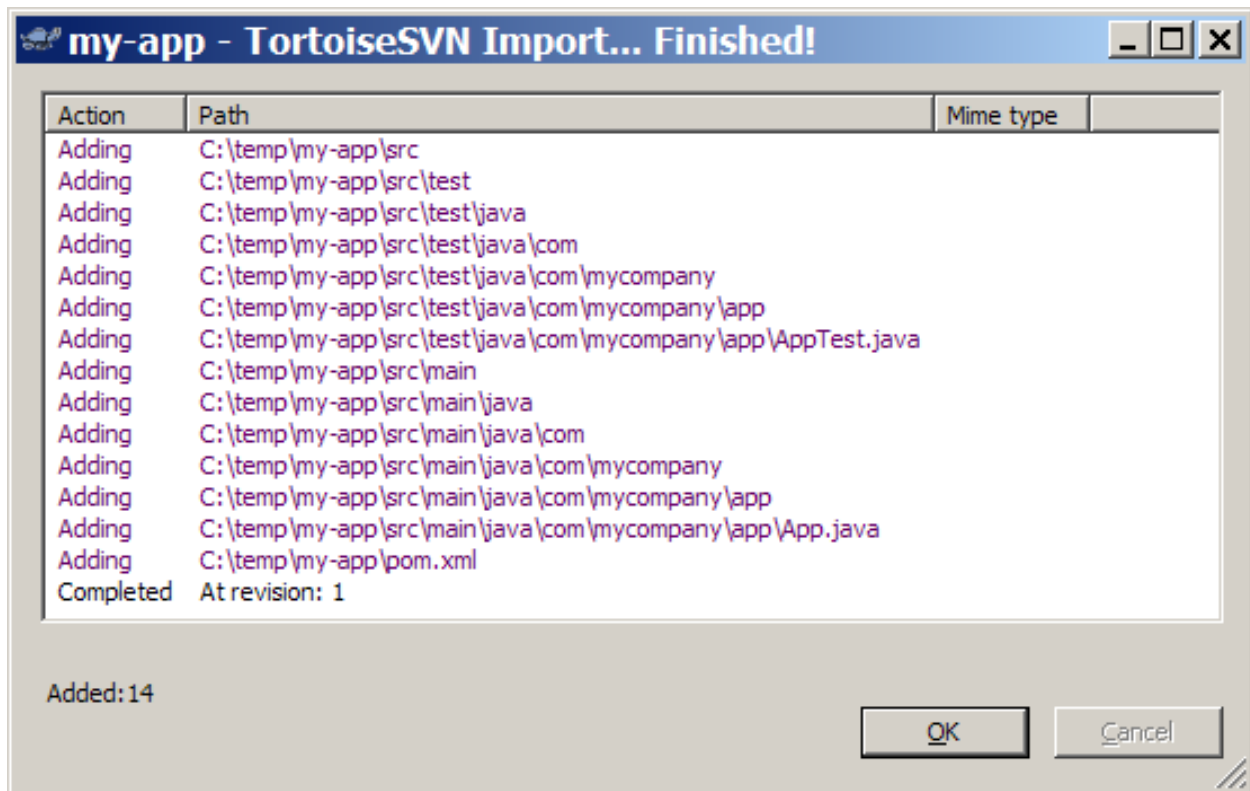
Navigate to the files you want to import. Right-click, choose TortoiseSVN -> Import.



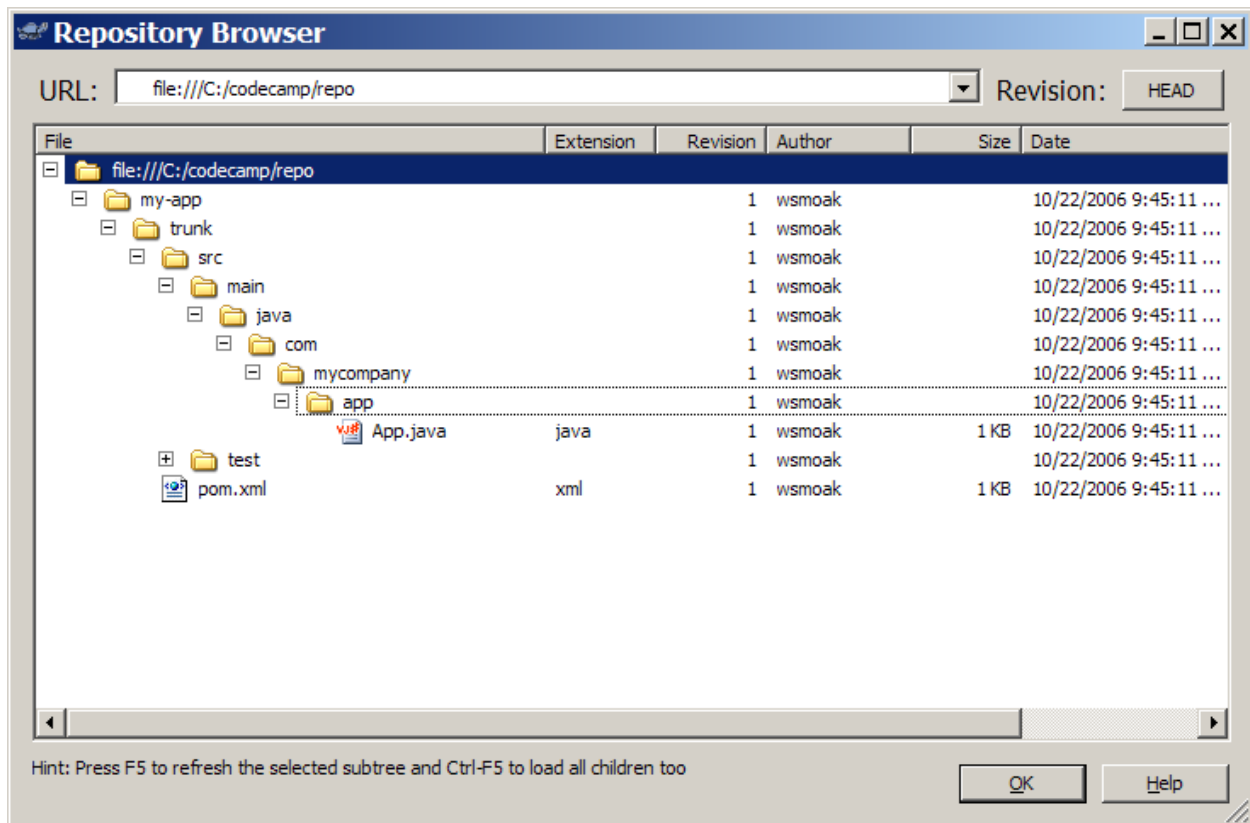
Provide the repository URL. Intermediate directories will be created.



Confirmation:



Viewing the results with Repo-browser. (Right-click, TortoiseSVN -> Repo-browser, enter URL.)

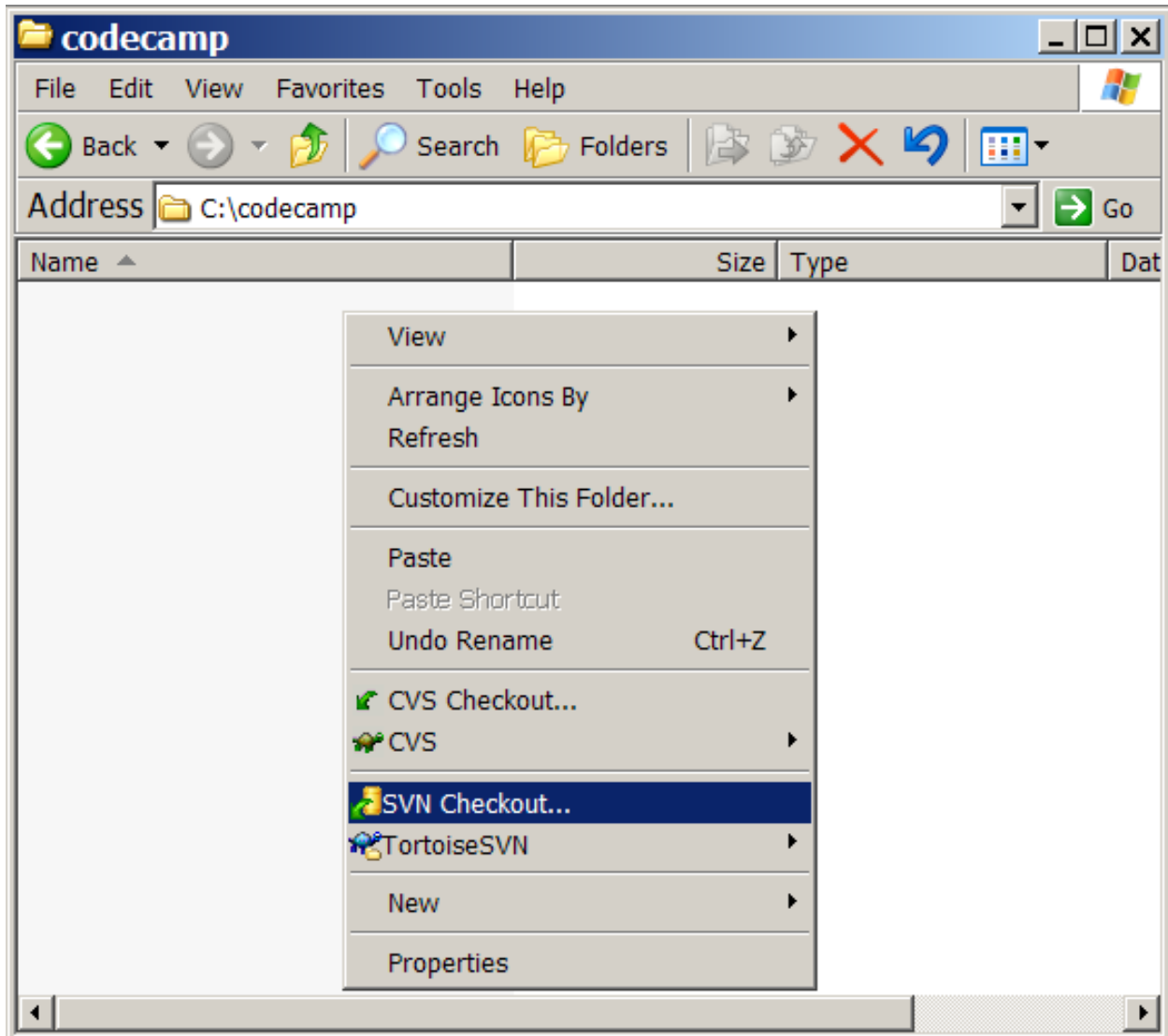


## 1.3 Checkout

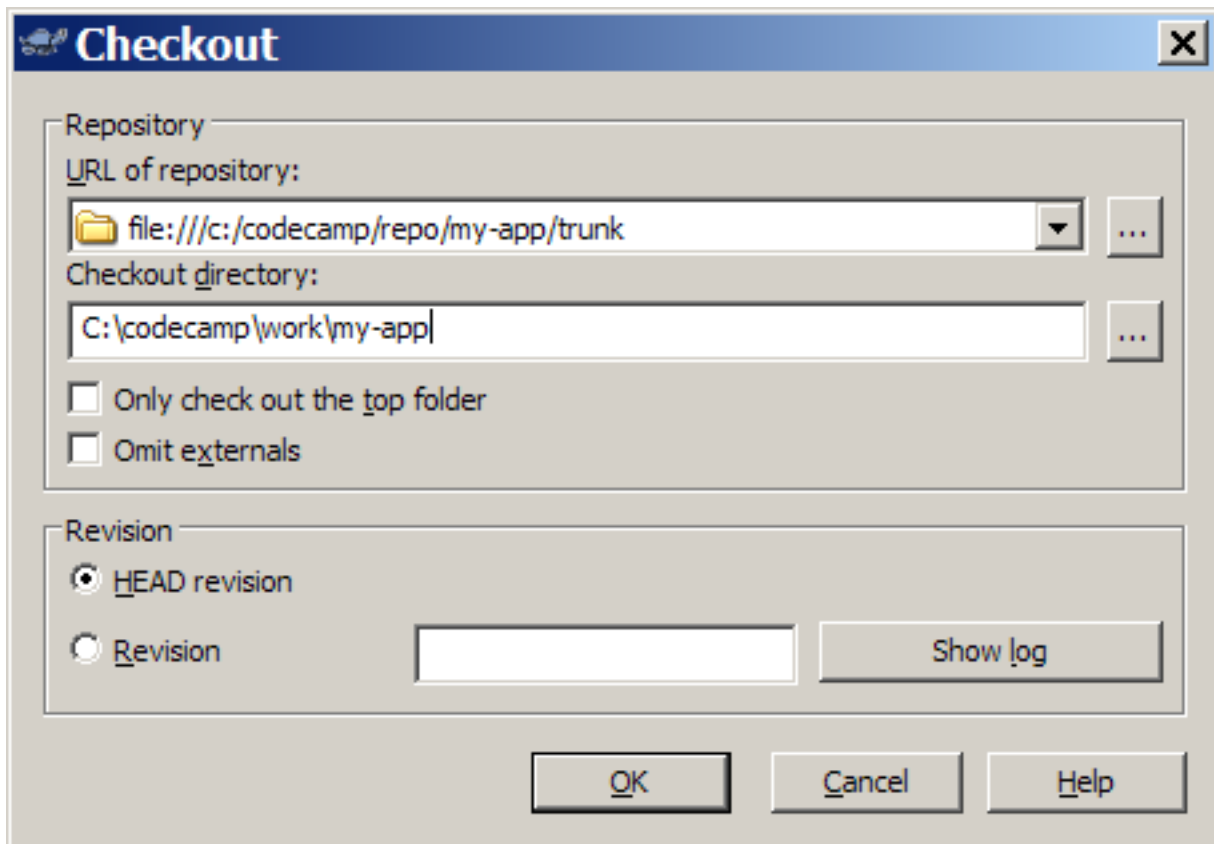
---

### Check out with TortoiseSVN

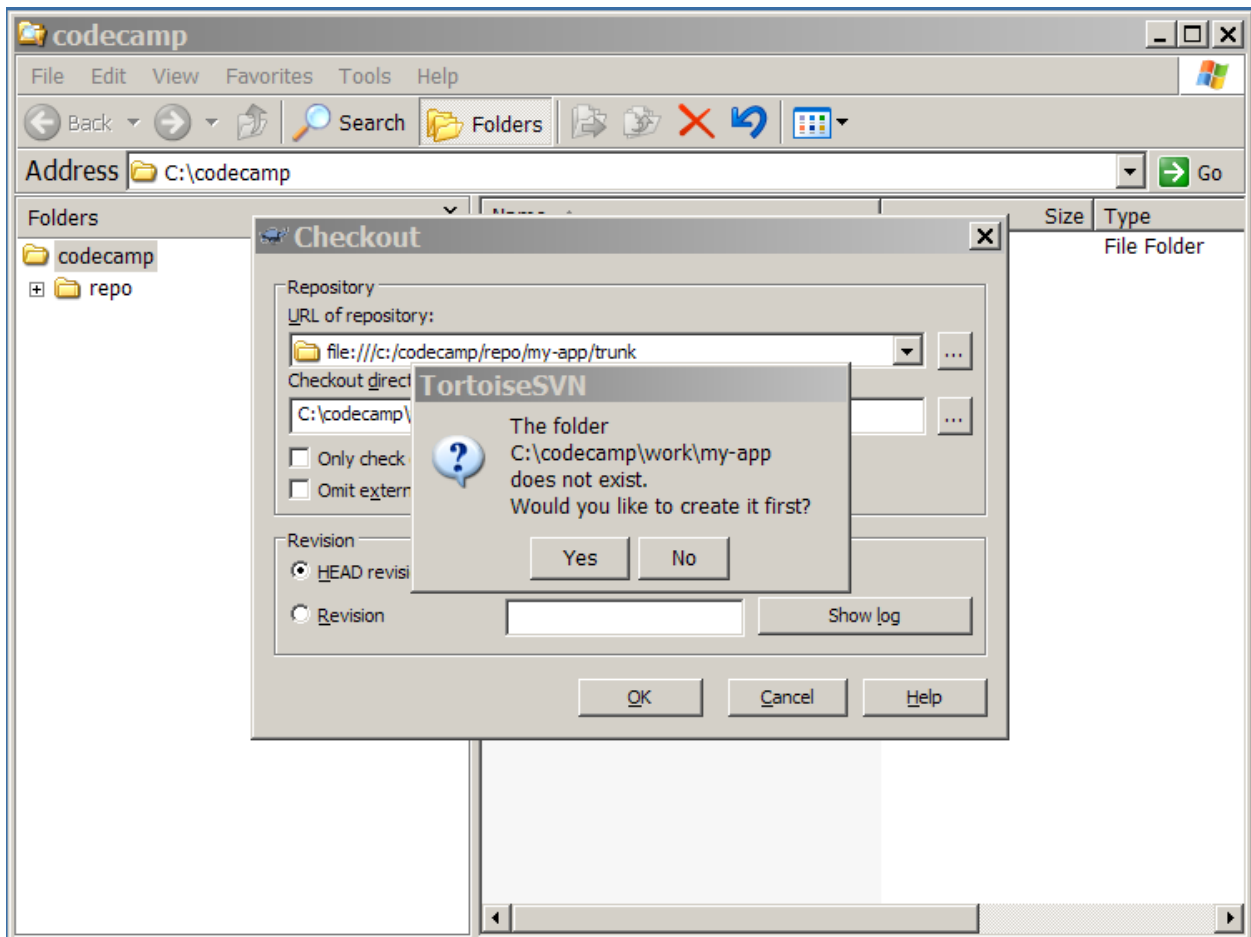
Right click and choose SVN Checkout.

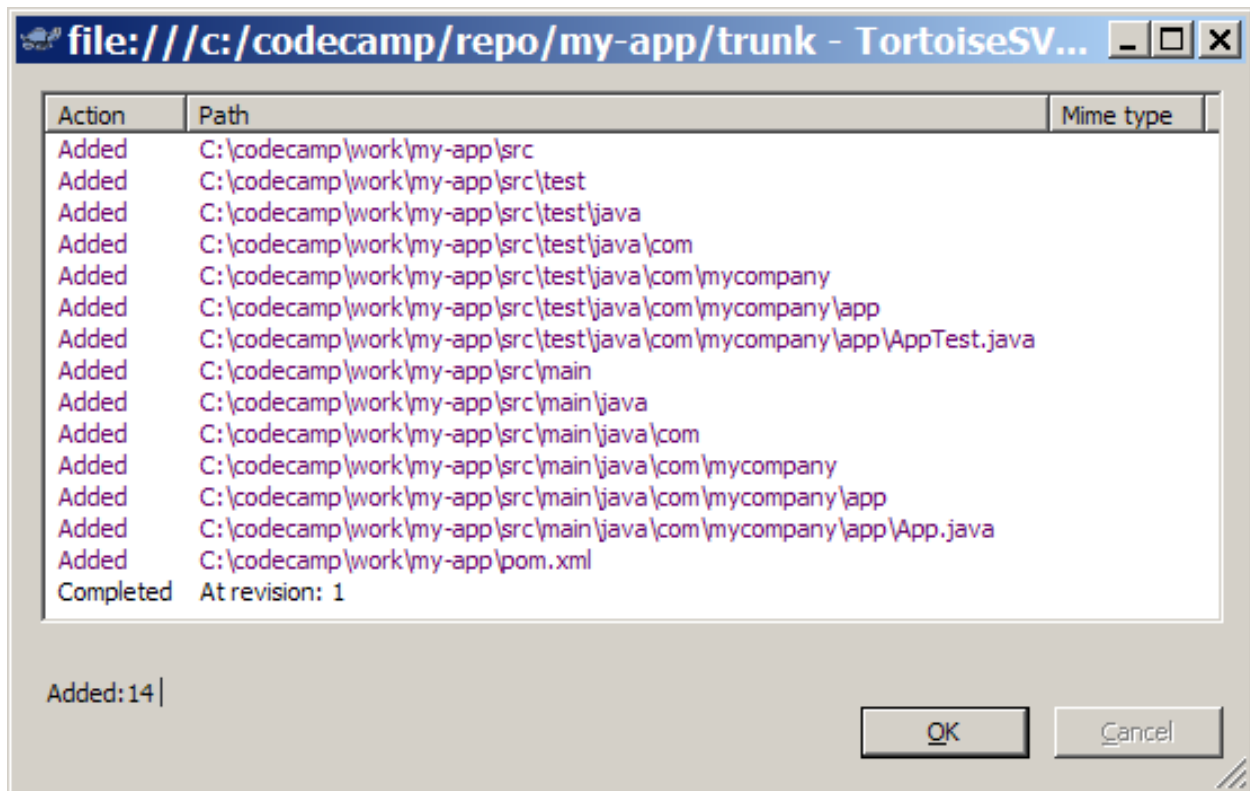


Enter URL of repository and checkout directory

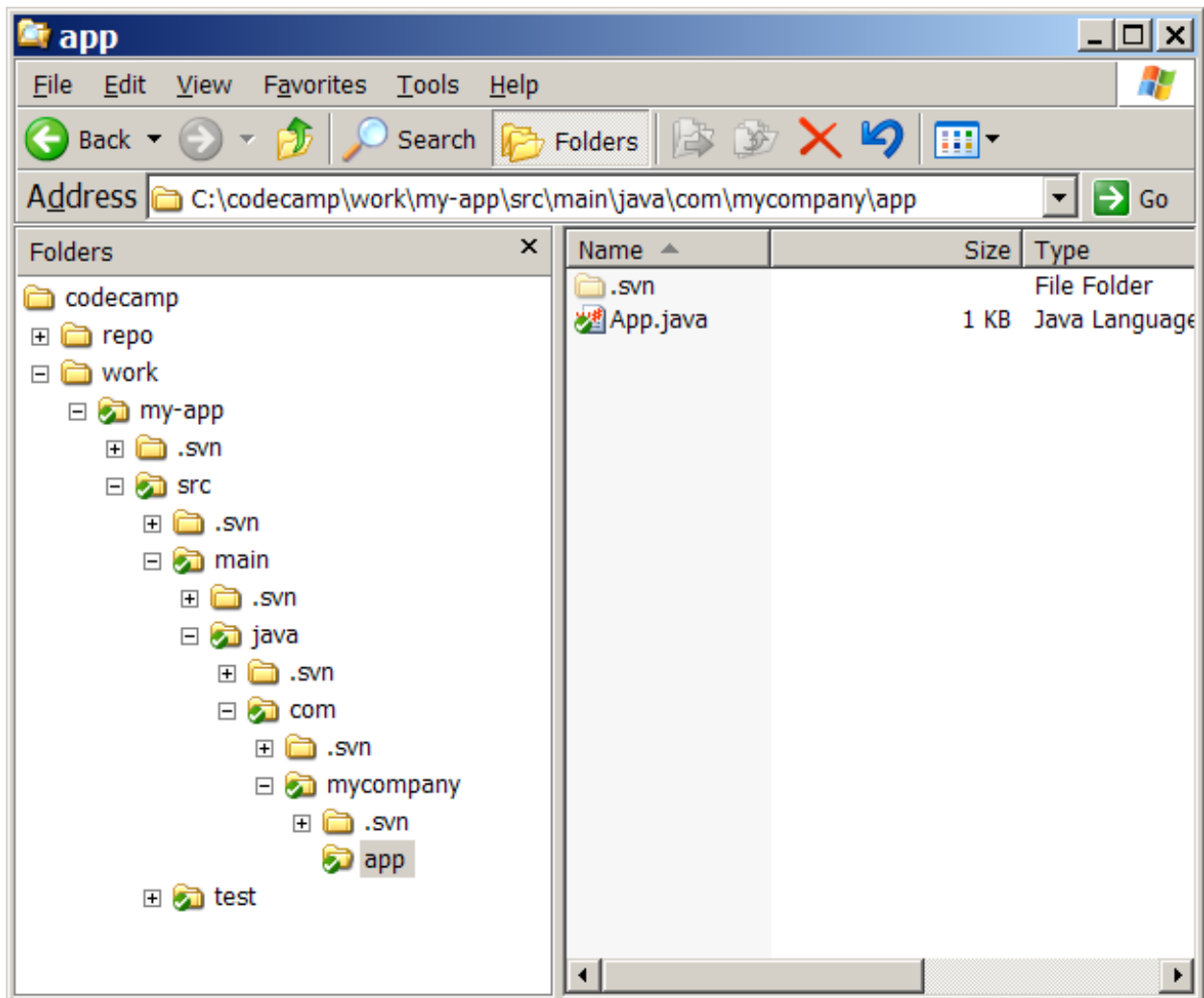


Answer 'Yes' to create the directory





Windows Explorer view of the working copy.



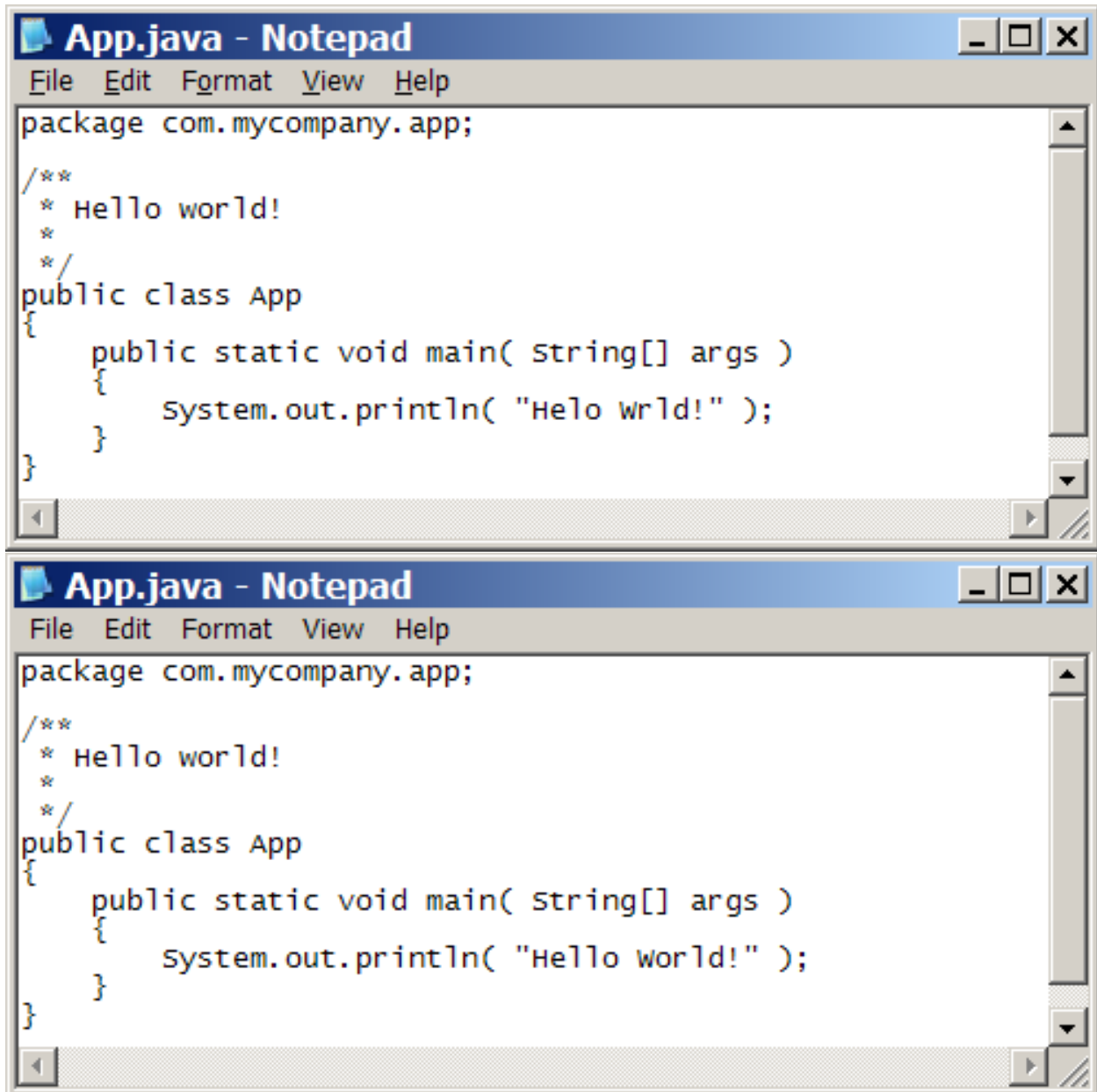
(Tip: This is a 'Rooted View', created with `explorer.exe /e,/root,c:\codecamp`.)

## 1.4 Commit

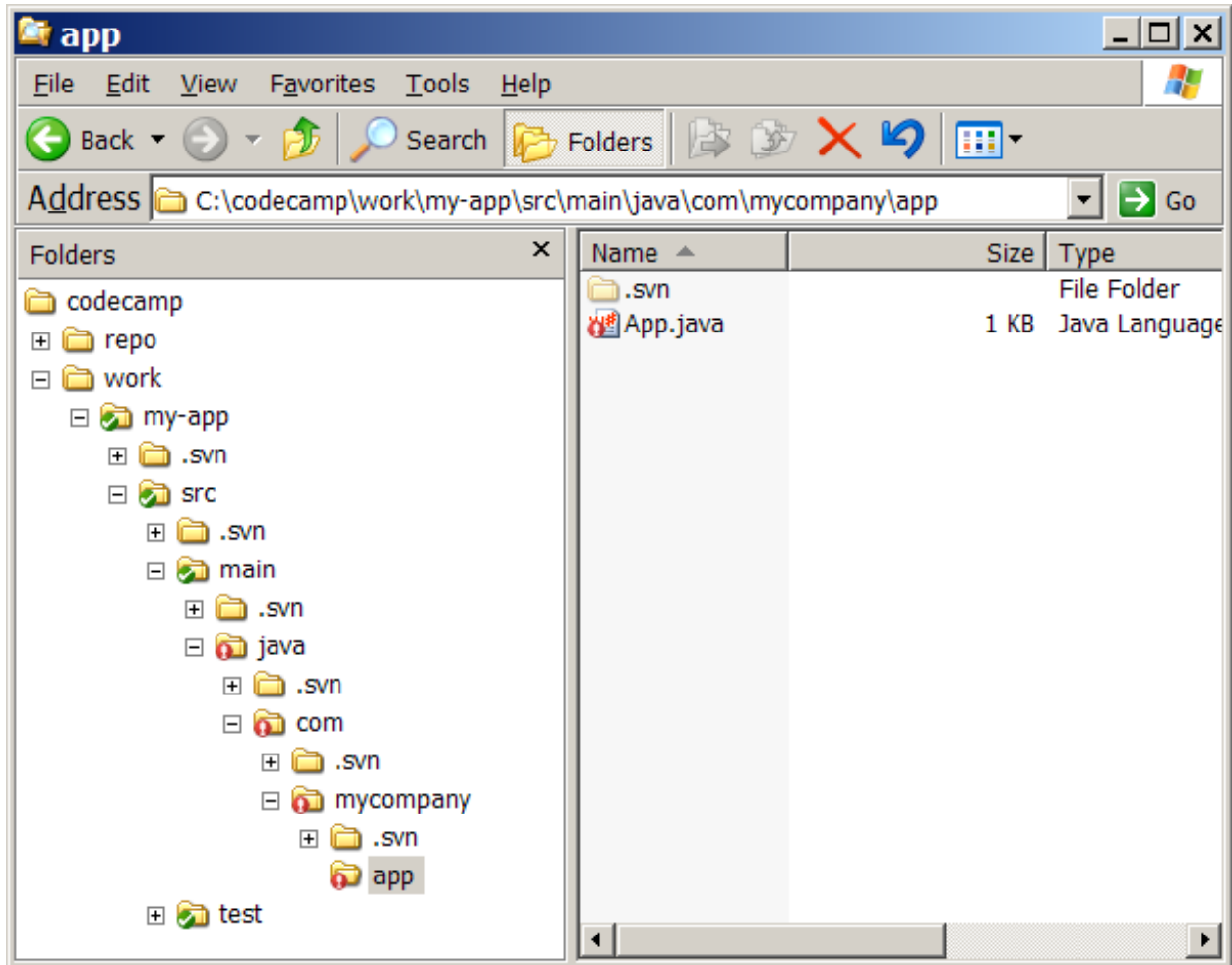
---

### TortoiseSVN Commit

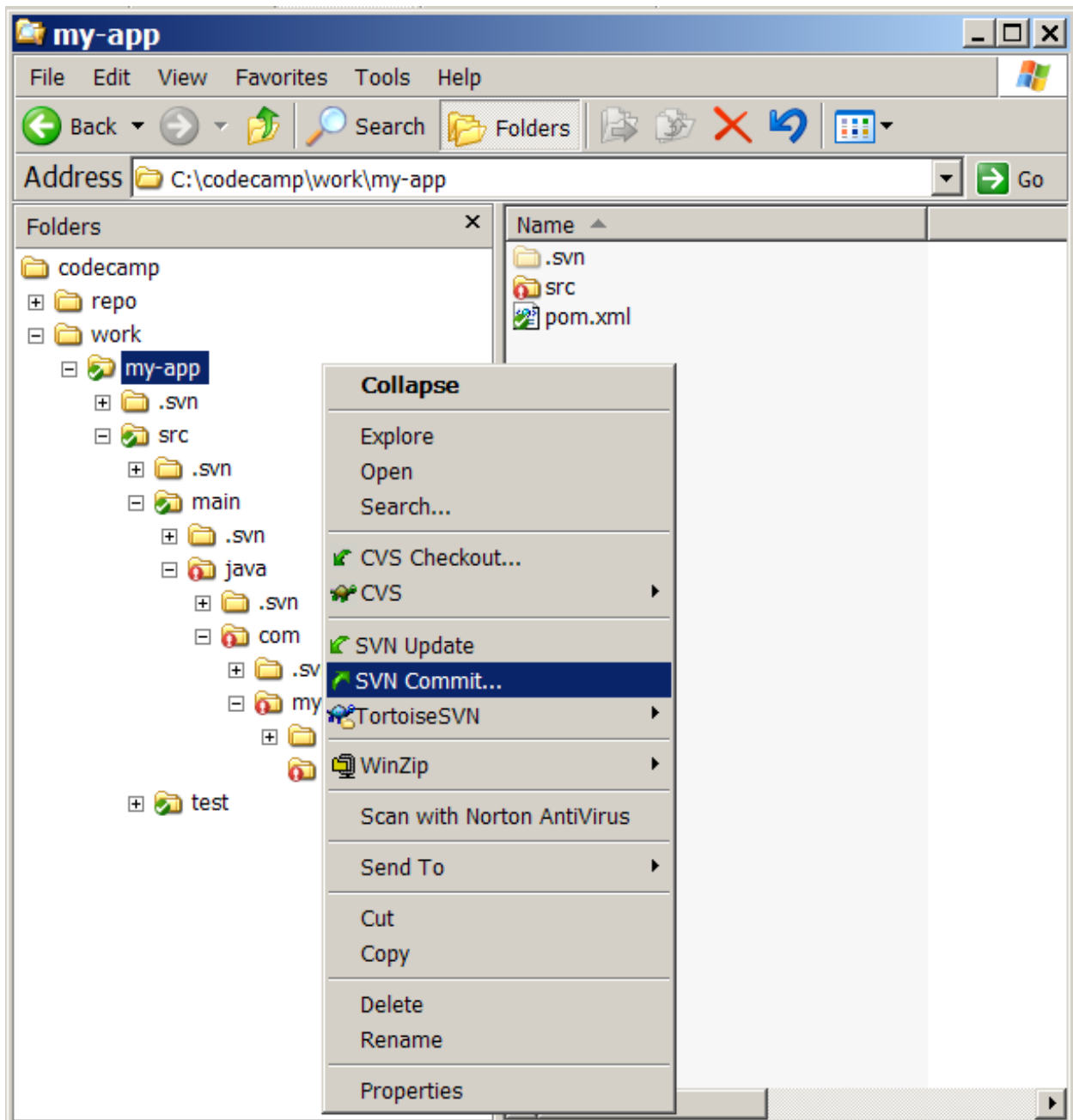
Make changes to a file...

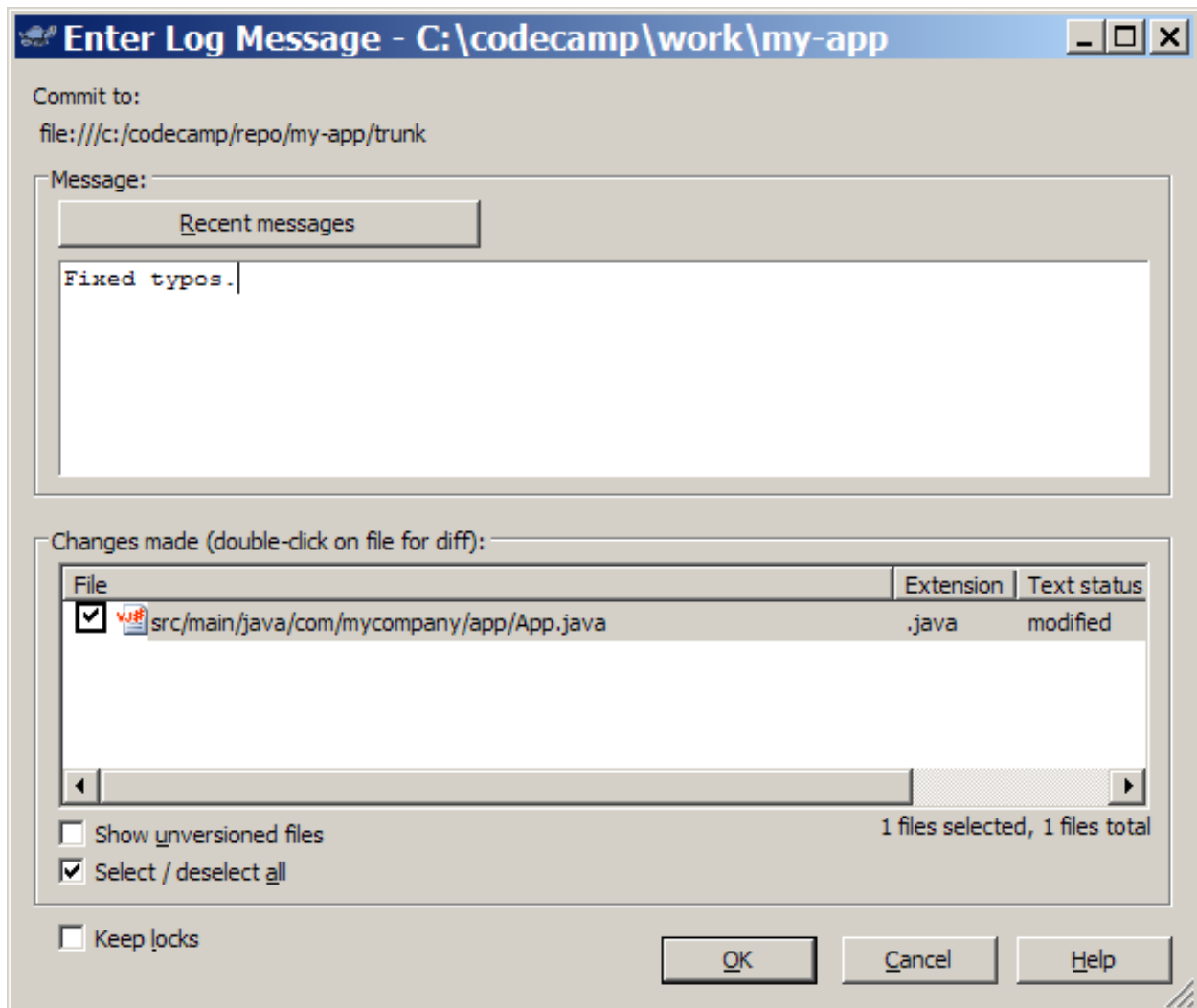


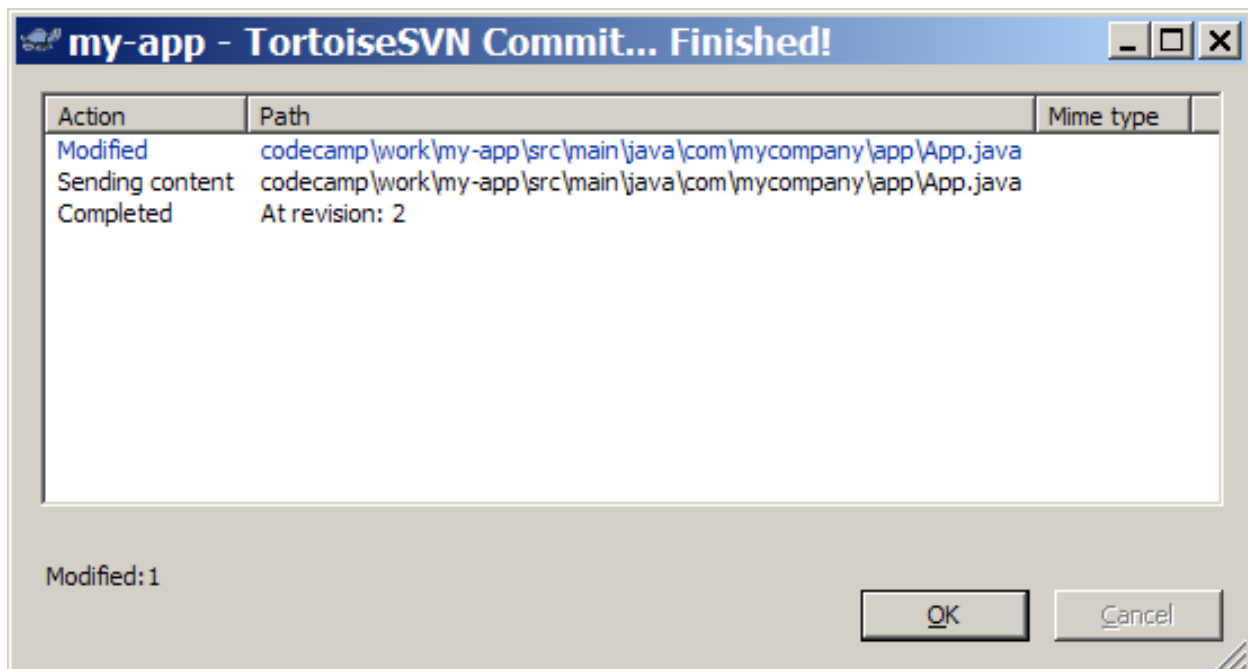
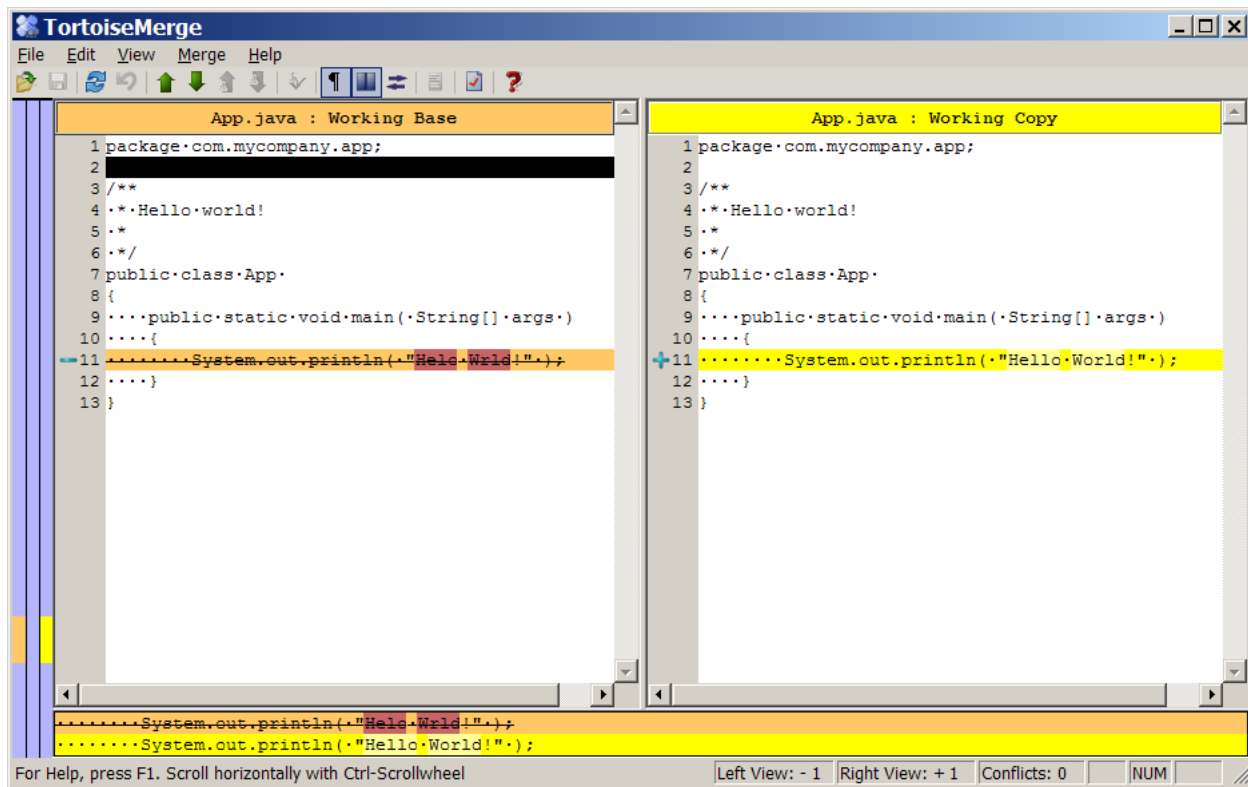
TortoiseSVN shows icon overlays indicating which files have uncommitted changes.



Navigate to the files you want to commit. Right-click, choose TortoiseSVN -> Import.





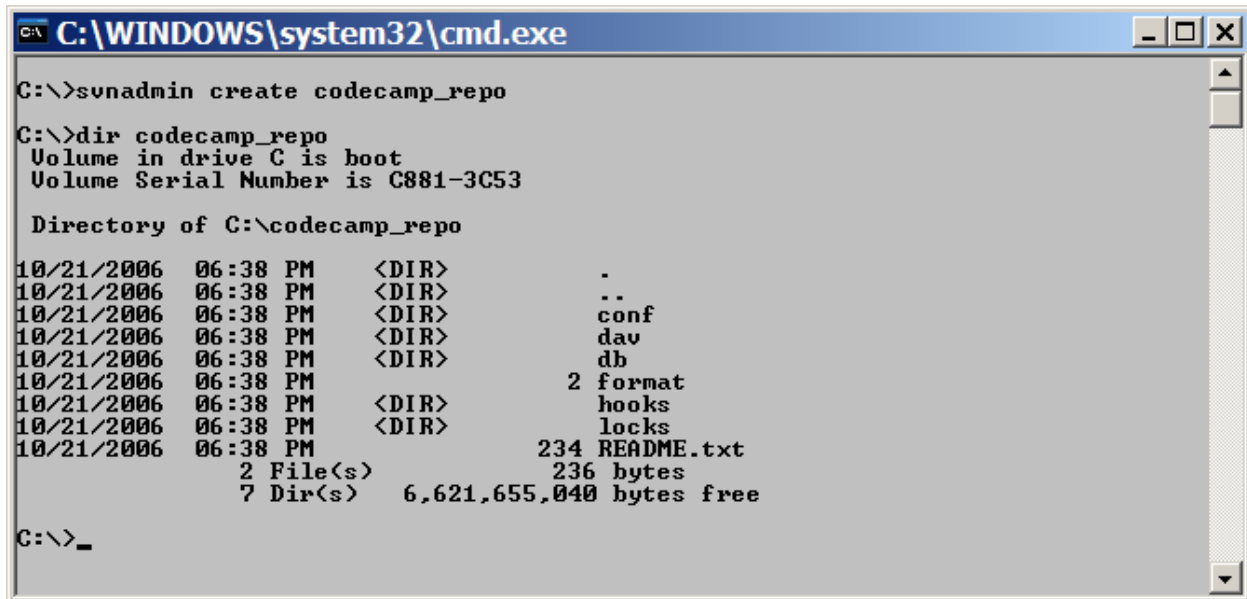


## 2.1 Create

---

### Create a Repository

Use svnadmin to create a repository.



```
C:\WINDOWS\system32\cmd.exe

C:\>svnadmin create codecamp_repo

C:\>dir codecamp_repo
Volume in drive C is boot
Volume Serial Number is C881-3C53

Directory of C:\codecamp_repo

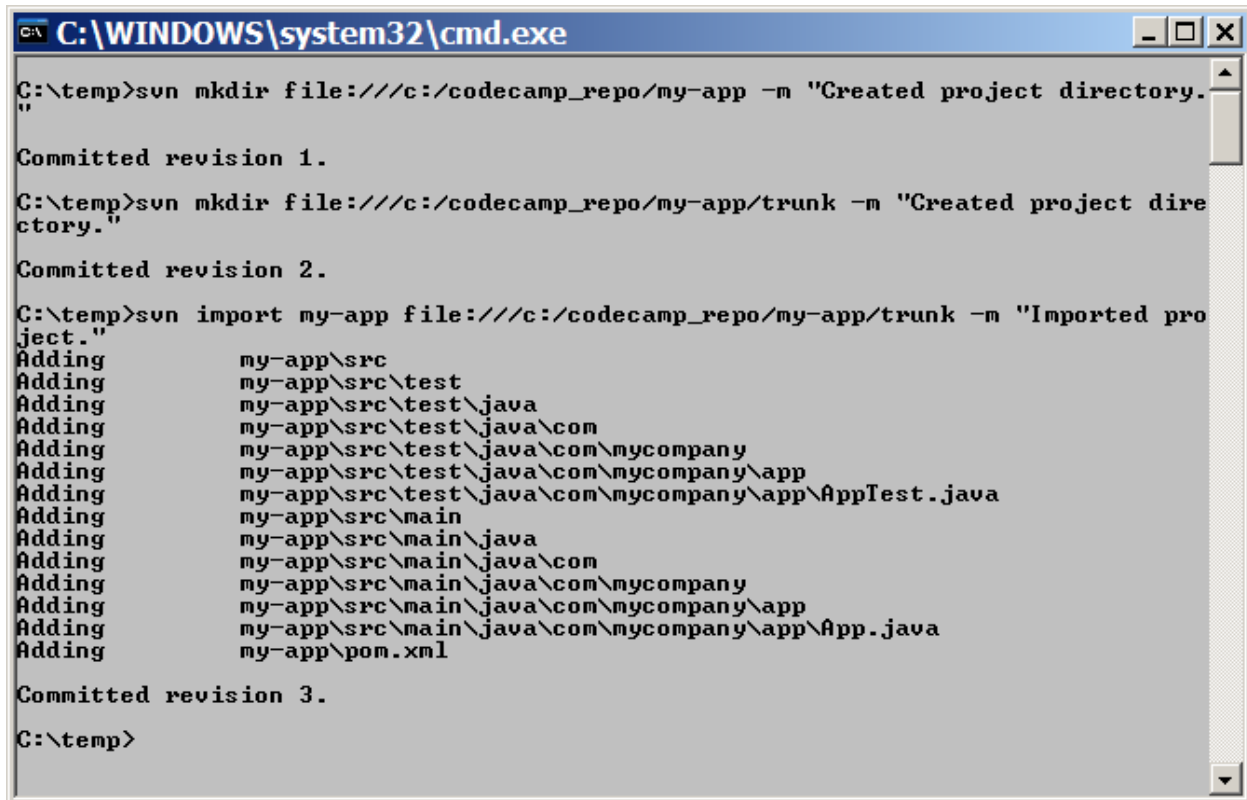
10/21/2006  06:38 PM    <DIR>          .
10/21/2006  06:38 PM    <DIR>          ..
10/21/2006  06:38 PM    <DIR>          conf
10/21/2006  06:38 PM    <DIR>          dav
10/21/2006  06:38 PM    <DIR>          db
10/21/2006  06:38 PM                2 format
10/21/2006  06:38 PM    <DIR>          hooks
10/21/2006  06:38 PM    <DIR>          locks
10/21/2006  06:38 PM                234 README.txt
                2 File(s)          236 bytes
                7 Dir(s)      6,621,655,040 bytes free

C:\>_
```

## 2.2 Import

---

### Import a Project at the command line

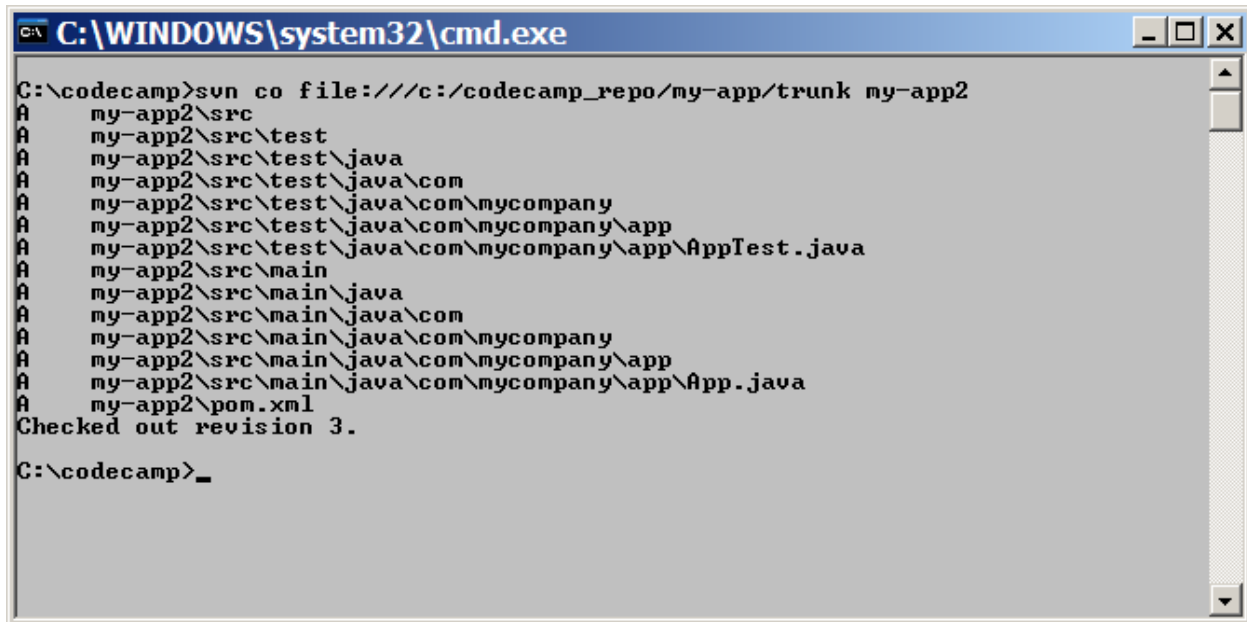


```
C:\WINDOWS\system32\cmd.exe
C:\temp>svn mkdir file:///c:/codecamp_repo/my-app -m "Created project directory."
Committed revision 1.
C:\temp>svn mkdir file:///c:/codecamp_repo/my-app/trunk -m "Created project directory."
Committed revision 2.
C:\temp>svn import my-app file:///c:/codecamp_repo/my-app/trunk -m "Imported project."
Adding          my-app\src
Adding          my-app\src\test
Adding          my-app\src\test\java
Adding          my-app\src\test\java\com
Adding          my-app\src\test\java\com\mycompany
Adding          my-app\src\test\java\com\mycompany\app
Adding          my-app\src\test\java\com\mycompany\app\AppTest.java
Adding          my-app\src\main
Adding          my-app\src\main\java
Adding          my-app\src\main\java\com
Adding          my-app\src\main\java\com\mycompany
Adding          my-app\src\main\java\com\mycompany\app
Adding          my-app\src\main\java\com\mycompany\app\App.java
Adding          my-app\pom.xml
Committed revision 3.
C:\temp>
```

## 2.3 Checkout

---

### Check out with command line svn

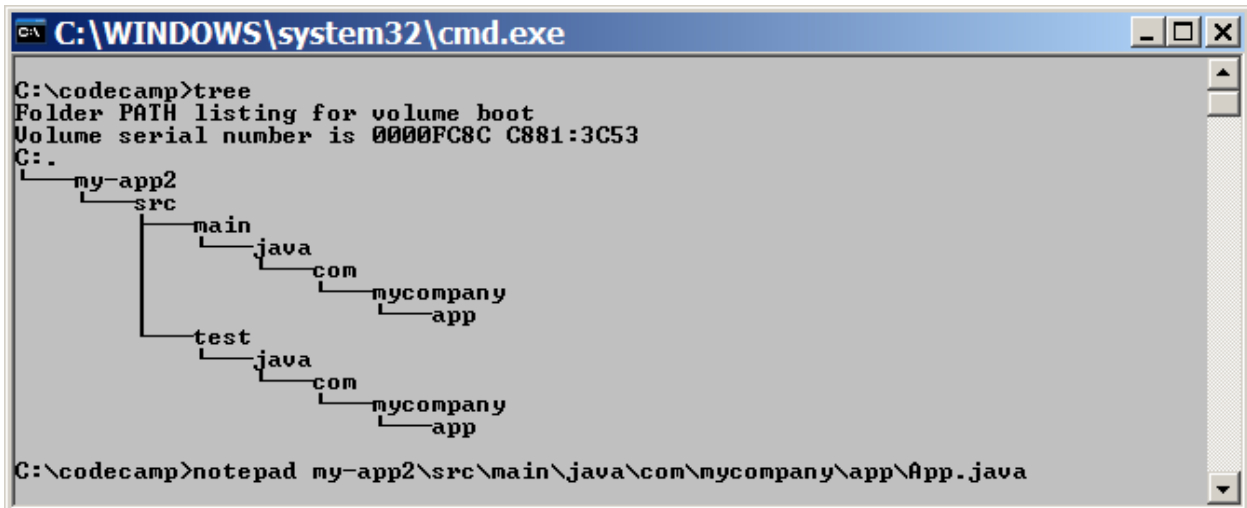


```
C:\WINDOWS\system32\cmd.exe
C:\codecamp>svn co file:///c:/codecamp_repo/my-app/trunk my-app2
A      my-app2\src
A      my-app2\src\test
A      my-app2\src\test\java
A      my-app2\src\test\java\com
A      my-app2\src\test\java\com\mycompany
A      my-app2\src\test\java\com\mycompany\app
A      my-app2\src\test\java\com\mycompany\app\AppTest.java
A      my-app2\src\main
A      my-app2\src\main\java
A      my-app2\src\main\java\com
A      my-app2\src\main\java\com\mycompany
A      my-app2\src\main\java\com\mycompany\app
A      my-app2\src\main\java\com\mycompany\app\App.java
A      my-app2\pom.xml
Checked out revision 3.
C:\codecamp>
```

## 2.4 Commit

---

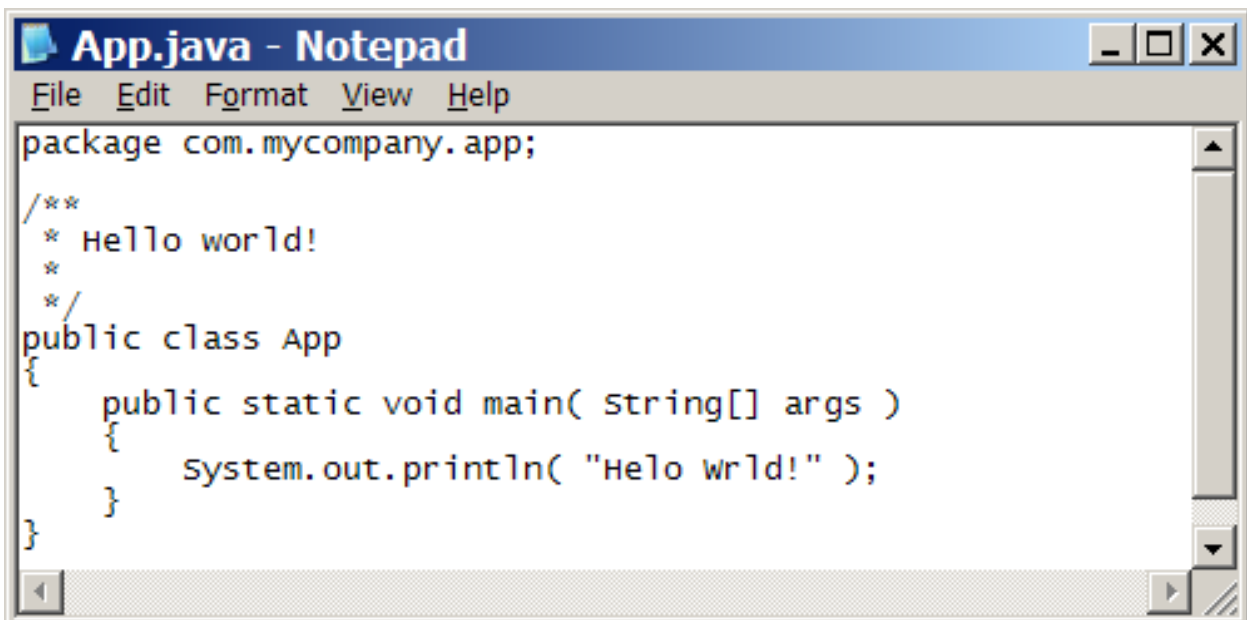
### Commit changes with command line svn



```
C:\WINDOWS\system32\cmd.exe

C:\codecamp>tree
Folder PATH listing for volume boot
Volume serial number is 0000FC8C C881:3C53
C:.
├── my-app2
│   └── src
│       ├── main
│       │   ├── java
│       │   │   ├── com
│       │   │   │   ├── mycompany
│       │   │   │   │   └── app
│       │   └── test
│       │       ├── java
│       │       │   ├── com
│       │       │   │   ├── mycompany
│       │       │   │   │   └── app
└── test
```

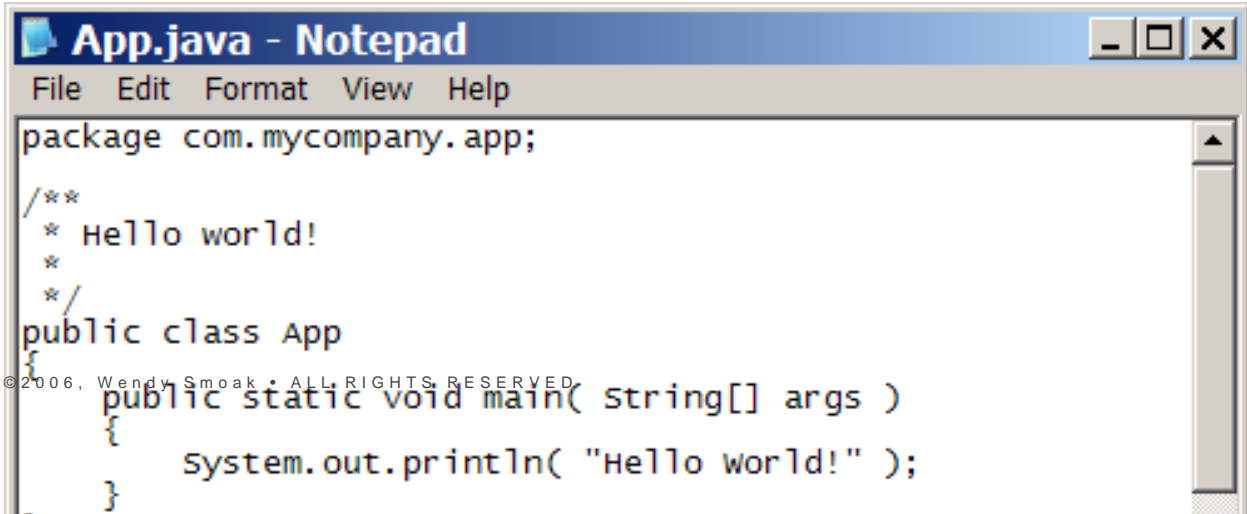
C:\codecamp>notepad my-app2\src\main\java\com\mycompany\app\app.java



```
App.java - Notepad
File Edit Format View Help

package com.mycompany.app;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( string[] args )
    {
        system.out.println( "Helo wrld!" );
    }
}
```



```
App.java - Notepad
File Edit Format View Help

package com.mycompany.app;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( string[] args )
    {
        system.out.println( "Hello world!" );
    }
}
```

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```
C:\WINDOWS\system32\cmd.exe

C:\codecamp>svn diff my-app2
Index: my-app2/src/main/java/com/mycompany/app/App.java
=====
--- my-app2/src/main/java/com/mycompany/app/App.java      (revision 3)
+++ my-app2/src/main/java/com/mycompany/app/App.java      (working copy)
@@ -8,6 +8,6 @@
 {
     public static void main( String[] args )
     {
-        System.out.println( "Helo Wrld!" );
+        System.out.println( "Hello World!" );
     }
 }
```

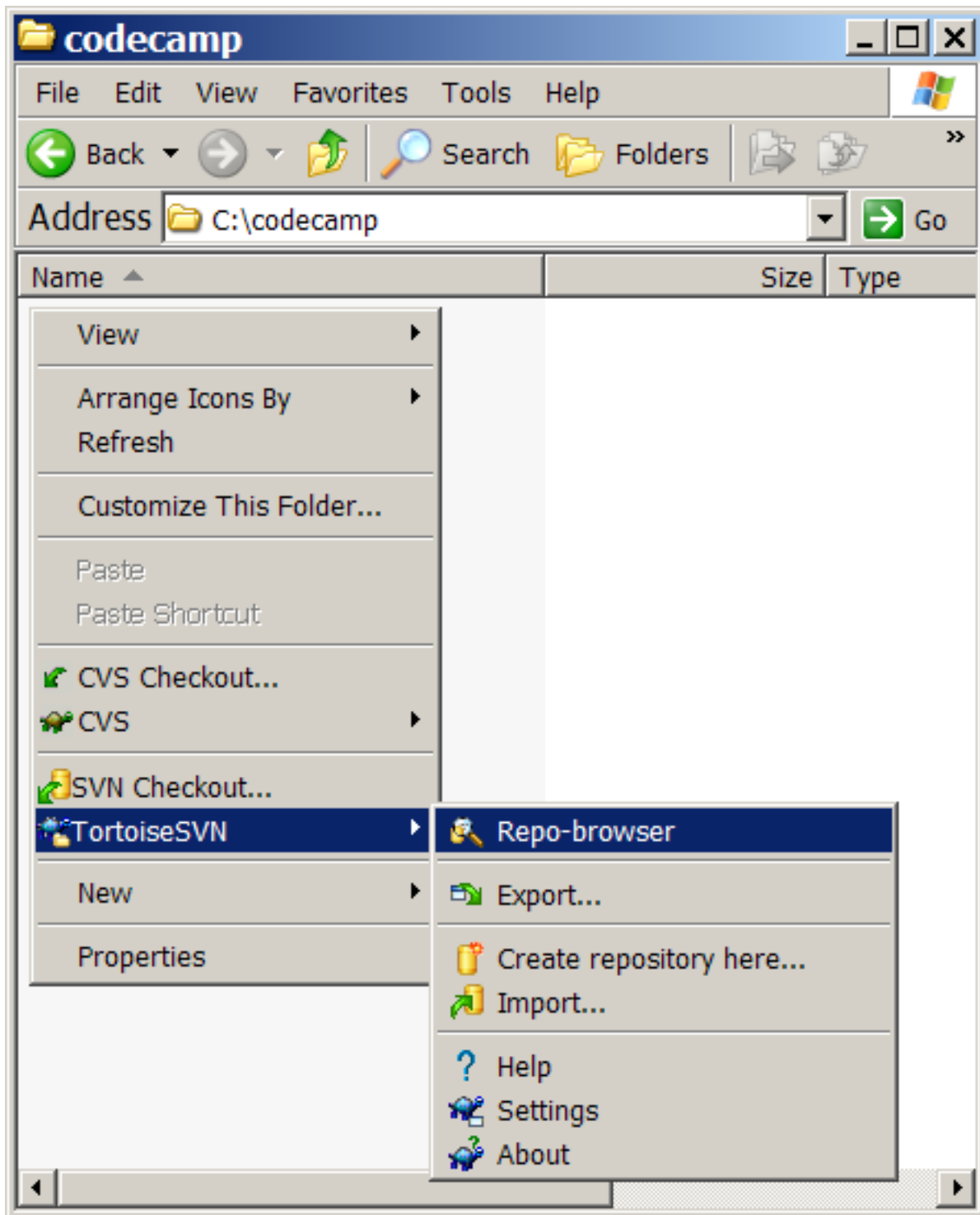
```
C:\WINDOWS\system32\cmd.exe

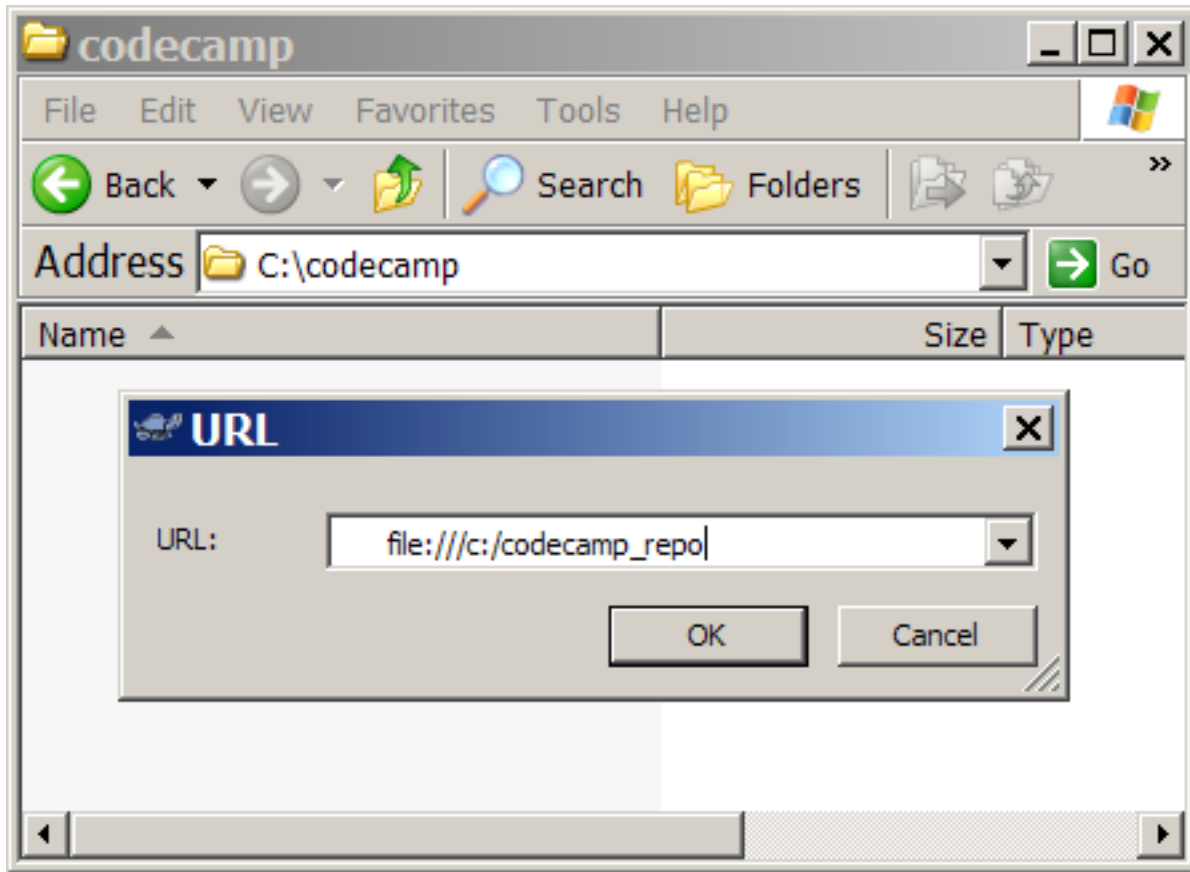
C:\codecamp>svn commit my-app2 -m "Fixed typos."
Sending          my-app2\src\main\java\com\mycompany\app\App.java
Transmitting file data .
Committed revision 4.
```

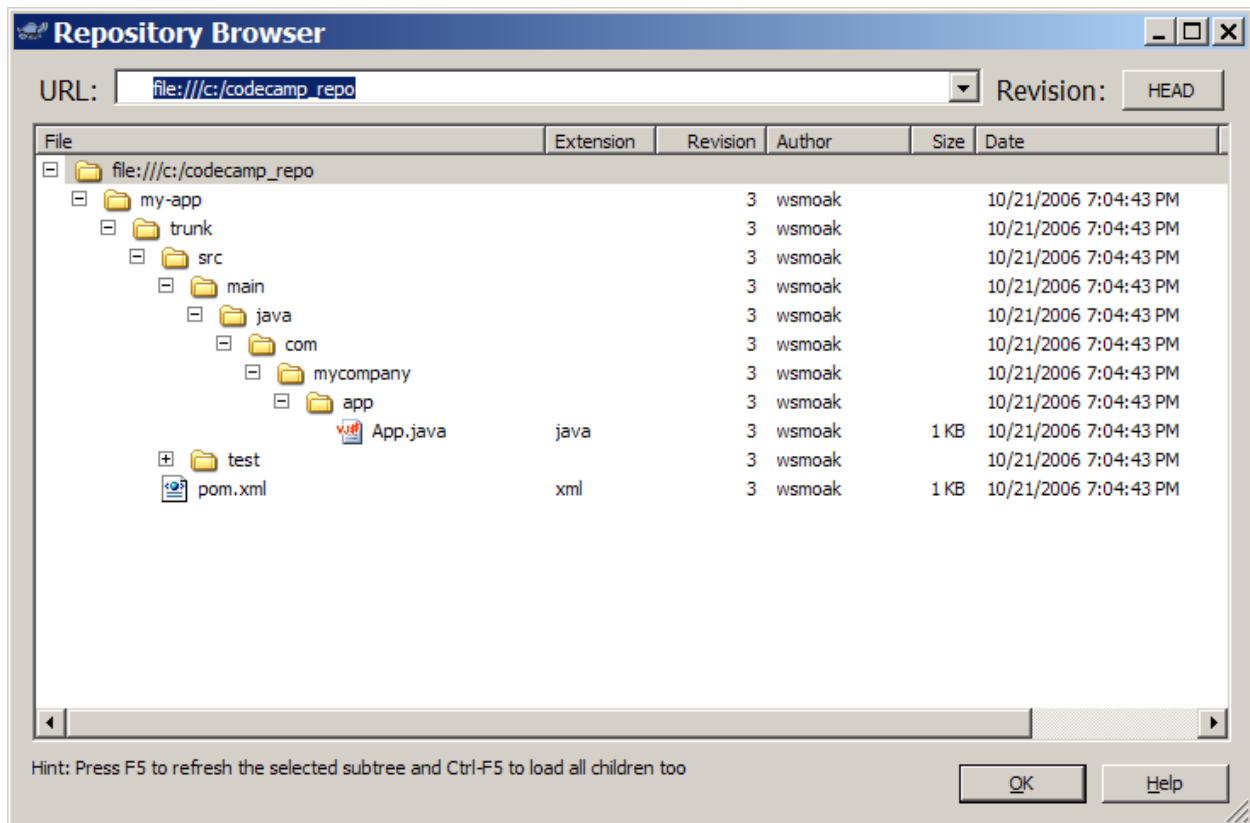
## 3.1 Repo Browser

---

### TortoiseSVN Repo Browser







## 3.2 ViewVC

### ViewVC

[Apache-SVN] Index of /struts - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://svn.apache.org/viewvc/struts/ Go

Intro to Subversion - TortoiseSVN R... [Apache-SVN] Index of /struts

[Apache-SVN] / struts Repository: Apache-SVN Go

## Index of /struts

Files shown: 0

Directory revision: [466342](#) (of [466875](#))

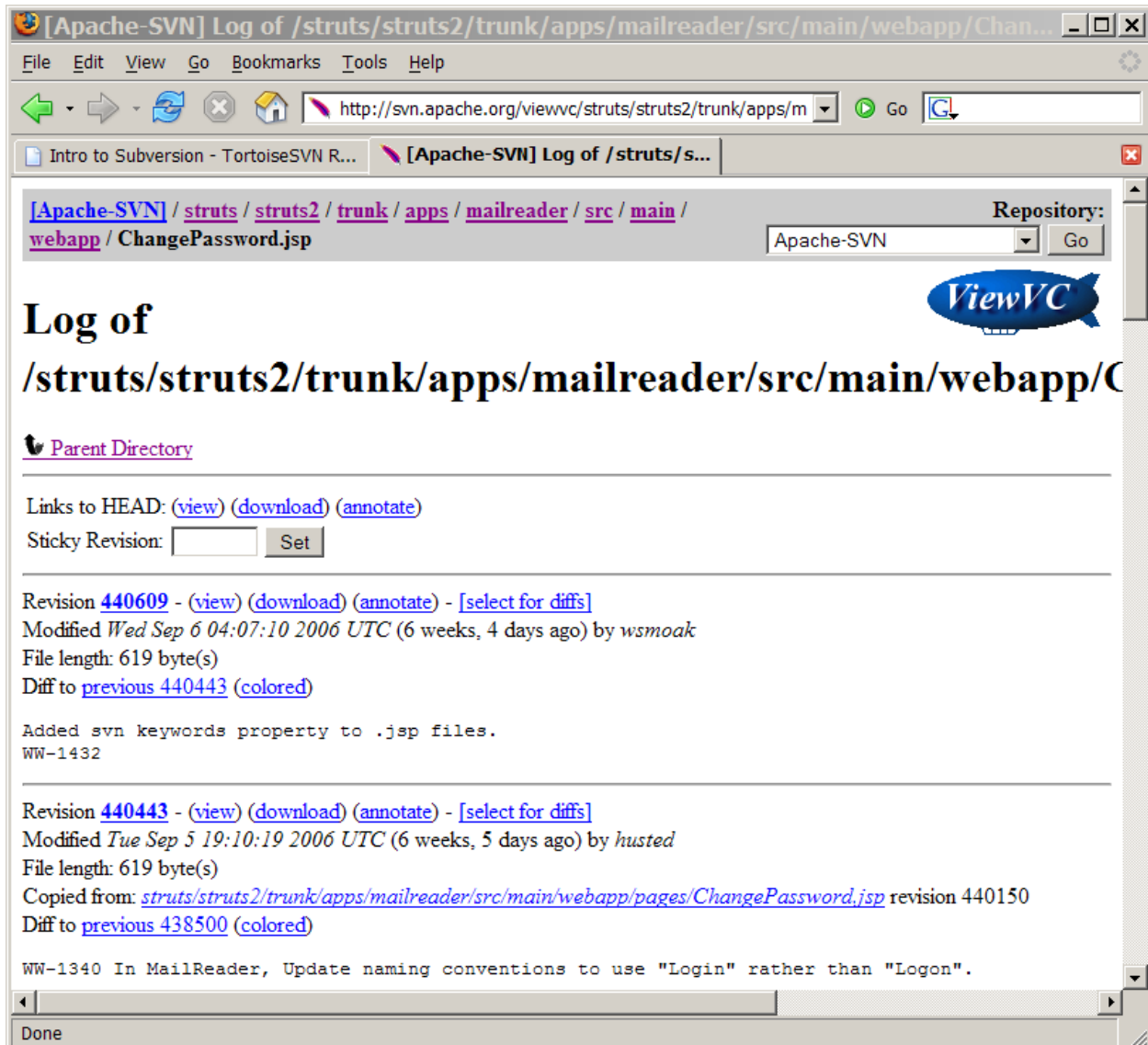
Sticky Revision:  Set

File	Age	Author	Last log entry
<a href="#">Parent Directory</a>			
<a href="#">archive/</a>	4 months	jmitchell	STR-2892
<a href="#">current/</a>	2 months	wsmoak	Added recent votes and fixed links to JIRA and ViewVC.
<a href="#">maven/</a>	5 days	ddewolf	Testing karma; adding self to committer list
<a href="#">sandbox/</a>	3 days	apetrelli	Set svn:eol-style=native to files that have not this property.
<a href="#">site/</a>	2 days	niallp	Announcement for David DeWolf and correct anchor
<a href="#">struts1/</a>	4 days	husted	Update PlanetStruts links.
<a href="#">struts2/</a>	39 hours	mrdon	Adding quick overview sentence to what Struts 2 is on home page WW-1478

[ViewVC Help](#)

Powered by [ViewVC 1.0.0](#)

Done



The screenshot shows a web browser window with the title "[Apache-SVN] Log of /struts/struts2/trunk/apps/mailreader/src/main/webapp/Chan...". The address bar contains the URL "http://svn.apache.org/viewvc/struts/struts2/trunk/apps/m...". The browser's address bar also shows the path "[Apache-SVN] Log of /struts/s...".

The main content area displays the log for the file `ChangePassword.jsp`. The repository is identified as "Apache-SVN". The log title is "Log of /struts/struts2/trunk/apps/mailreader/src/main/webapp/C".

Below the log title, there is a "Parent Directory" link. Links to HEAD are provided: [\(view\)](#), [\(download\)](#), and [\(annotate\)](#). A "Sticky Revision" field is present with a "Set" button.

The log entries are as follows:

- Revision [440609](#) - [\(view\)](#) [\(download\)](#) [\(annotate\)](#) - [\[select for diffs\]](#)  
 Modified *Wed Sep 6 04:07:10 2006 UTC* (6 weeks, 4 days ago) by *wsmoak*  
 File length: 619 byte(s)  
 Diff to [previous 440443](#) [\(colored\)](#)  
 Added svn keywords property to .jsp files.  
 WW-1432
- Revision [440443](#) - [\(view\)](#) [\(download\)](#) [\(annotate\)](#) - [\[select for diffs\]](#)  
 Modified *Tue Sep 5 19:10:19 2006 UTC* (6 weeks, 5 days ago) by *husted*  
 File length: 619 byte(s)  
 Copied from: [struts/struts2/trunk/apps/mailreader/src/main/webapp/pages/ChangePassword.jsp](#) revision 440150  
 Diff to [previous 438500](#) [\(colored\)](#)  
 WW-1340 In MailReader, Update naming conventions to use "Login" rather than "Logon".

The browser's status bar at the bottom shows "Done".

## 3.3 Fisheye

### Fisheye

The screenshot displays the Fisheye web interface for the Apache Ant project. The browser window title is "FishEye: browsing ant/core/trunk/src/main/org/apache/tools/ant - Mozilla Firefox". The URL is "http://fisheye3.cenqua.com/browse/ant/core/trunk/src/main/org/apache/tool".

**Line History:** A line graph showing the number of lines of code over time from 2000 to 2006. The y-axis ranges from 0 to 200K. The x-axis shows years from 2000 to 2006. A red line shows a steady increase in code size, reaching approximately 180K by 2006. Below the line graph is a bar chart showing commit activity, with a peak around 2004.

**Recent Changelog:** A list of recent commits by peterreilly:

- 466300** by peterreilly 20 October 2006, 18:06:32 -0500 (28 hours ago)
  - make IH.clearCache() public
  - ./IntrospectionHelper.java 466300 (+1 -1) diffs
- 466290** by peterreilly 20 October 2006, 17:40:27 -0500 (29 hours ago)
  - Stop making IH a project listener, instead clean the IH cache explicitly on build finished.
  - ./IntrospectionHelper.java 466290 (+3 -62) diffs
  - ./Project.java 466290 (+2 -0) diffs
- 466283** by peterreilly 20 October 2006, 17:35:44 -0500 (29 hours ago)
  - Free the realThing with UE is finished with it (fixes since last look at this allows this)
  - ./UnknownElement.java 466283 (+4 -6) diffs
- 465073** by peterreilly 17 October 2006, 16:56:16 -0500 (4 days ago)
  - Fix for OOME with <ant> and <typedef> Bugzilla report 28283 and 33061
  - IH had a map of class->IH objects. The class is the typedefed class and IH is the attributes, elements etc of that class. This ...
  - ./IntrospectionHelper.java 465073 (+7 -5) diffs
  - ... 1 more file in changeset.

**Constraint:** A section with filters for Branch, Author, Tag, and Date. All are currently set to "(any)".

**Sub Directories:** A tree view showing the directory structure:

- ..
- dispatch/
- filters/
  - util/
- helper/
- input/
- launch/
- listener/
- loader/
- taskdefs/
- types/
- util/

**Files:** A table listing files with their revision, age, and author:

NAME	REV	AGE	AUTHOR
AntClassLoader.java	453032	17 days	peterreilly
AntSecurityManager.java (deleted)	267557	6 years 8 months	stefano
AntTypeDefinition.java	439418	50 days	bodewig
ApacheParser.java (deleted)	267656	6 years 5 months	rubys

Deleted files: Hide | Show

## 4.1 IntelliJ IDEA

### Subversion Integration with IntelliJ IDEA

