

Software Methods and Tools

Fall 2015

Solution for Assignment 8

Due on 11:59PM, Monday, December 7, 2015

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Event #1:

Revision change for Tetris.java file:

Event	Repository	Tom	Susan	John
1	2	1	1	2
Description	John updated Tetris.java. So revision changed from 1 to 2 Tom's revision is not changed Susan's revision is not changed John updated Tetris.java so revision changed from 1 to 2 No conflicts were observed			

Screenshot of revision versions of repository and working copies of Tom, Susan and John:

```
C:\Users\meets\TetrisJohn>svn list -v file:///C:/Users/meets/repos/Tetris/trunk/src/org/psnbtech/
  2 meets          Dec 06 00:08 ./
  1 meets          12449 Dec 06 00:02 BoardPanel.java
  1 meets          3845 Dec 06 00:02 Clock.java
  1 meets          6367 Dec 06 00:02 SidePanel.java
  2 meets          14173 Dec 06 00:08 Tetris.java
  1 meets          8717 Dec 06 00:02 TileType.java

C:\Users\meets\TetrisJohn>svn status -v C:/Users/meets/TetrisTom
      1          1 meets      C:\Users\meets\TetrisTom
      1          1 meets      C:\Users\meets\TetrisTom\src
      1          1 meets      C:\Users\meets\TetrisTom\src\org
      1          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech
      1          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\BoardPanel.java
      1          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Clock.java
      1          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\SidePanel.java
      1          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Tetris.java
      1          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisJohn>svn status -v C:/Users/meets/TetrisSusan
      1          1 meets      C:\Users\meets\TetrisSusan
      1          1 meets      C:\Users\meets\TetrisSusan\src
      1          1 meets      C:\Users\meets\TetrisSusan\src\org
      1          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech
      1          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\BoardPanel.java
      1          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Clock.java
      1          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\SidePanel.java
      1          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Tetris.java
      1          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisJohn>svn status -v C:/Users/meets/TetrisJohn
      2          2 meets      C:\Users\meets\TetrisJohn
      2          2 meets      C:\Users\meets\TetrisJohn\src
      2          2 meets      C:\Users\meets\TetrisJohn\src\org
      2          2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\BoardPanel.java
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Clock.java
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\SidePanel.java
      2          2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Tetris.java
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\TileType.java
```

Event #2:

Revision change for Tetris.java file:

Event	Repository	Tom	Susan	John
2	2	1	2	2
Description	No change in the revision version of repository No change in the revision version of Tom Susan updated her working copy with repository. So revision changed to 2 No change in the revision version of John No conflicts were observed			

Screenshot of revision versions of repository and working copies of John, Tom and Susan:

```
C:\Users\meets\TetrisSusan>svn update
Updating '.':
U    src\org\psnbtech\Tetris.java
Updated to revision 2.

C:\Users\meets\TetrisSusan>svn list -v file:///C:/Users/meets/repos/Tetris/trunk/src/org/psnbtech/Tetris.java
2 meets          14173 Dec 06 00:08 Tetris.java

C:\Users\meets\TetrisSusan>svn status -v C:/Users/meets/TetrisJohn/src/org/psnbtech/Tetris.java
2          2 meets          C:\Users\meets\TetrisJohn\src\org\psnbtech\Tetris.java

C:\Users\meets\TetrisSusan>svn status -v C:/Users/meets/TetrisTom/src/org/psnbtech/Tetris.java
1          1 meets          C:\Users\meets\TetrisTom\src\org\psnbtech\Tetris.java

C:\Users\meets\TetrisSusan>svn status -v C:/Users/meets/TetrisSusan/src/org/psnbtech/Tetris.java
2          2 meets          C:\Users\meets\TetrisSusan\src\org\psnbtech\Tetris.java

C:\Users\meets\TetrisSusan>
```

Event #3:

Revision change for Tetris.java file:

Event	Repository	Tom	Susan	John
3	3	3	2	2
Description	After resolving the conflicts, repository revision was changed to 3 Tom updated Tetris.java to a new version 3 and resolved the conflicts and committed his changes to repository. Here Tom's Tetris.java file conflicts with repository's Tetris.java file. In this case, <i>svn</i> asks us to what decision we need to take. I selected to merge the files by keeping Tom's changes in the final revision. Finally, I've selected the " <i>conflicts resolved</i> " option. No change in the revision version of Susan No change in the revision version of John			

Screenshot of revision versions of repository and working copies of John, Tom and Susan:

```
C:\Users\meets\TetrisTom>svn list -v file:///C:/Users/meets/repos/Tetris/trunk/src/org/psnbtech/Tetris.java
3 meets      14183 Dec 06 00:44 Tetris.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisJohn/src/org/psnbtech/Tetris.java
2          2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Tetris.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisSusan/src/org/psnbtech/Tetris.java
2          2 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Tetris.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisTom/src/org/psnbtech/Tetris.java
3          3 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Tetris.java

C:\Users\meets\TetrisTom>
```

Event #4:

Revision change for Tetris.java file:

Revision change for Tetris.java				
Event	Repository	Tom	Susan	John
4	3	4	2	2
Description	No changes to Tetris.java file. Son revision stays at 3 in Repository Tom changed Clock.java, so revision of Tetris.java also changed to 4 in his local working copy No change in the revision version of Susan No change in the revision version of John No conflicts were observed			

Revision change for Clock.java file:

Revision change for Clock.java				
Event	Repository	Tom	Susan	John
4	4	4	2	2
Description	Updated revision number of Clock.java to 4 in Repository. Tom changed Clock.java, so revision changed to 3 No change in the revision version of Susan No change in the revision version of John No conflicts were observed			

Screenshot of revision versions of repository and working copies of Tom, Susan and John:

```

C:\Users\meets\TetrisTom>svn list -v file:///C:/Users/meets/repos/Tetris/trunk/src/org/psnbtech/
  4 meets          Dec 06 00:49 ./
  1 meets          12449 Dec 06 00:02 BoardPanel.java
  4 meets          3844 Dec 06 00:49 Clock.java
  1 meets          6367 Dec 06 00:02 SidePanel.java
  3 meets          14183 Dec 06 00:44 Tetris.java
  1 meets          8717 Dec 06 00:02 TileType.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisTom/src/org/psnbtech/
      4          4 meets      C:\Users\meets\TetrisTom\src\org\psnbtech
      4          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\BoardPanel.java
      4          4 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Clock.java
      4          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\SidePanel.java
      4          3 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Tetris.java
      4          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisSusan/src/org/psnbtech/
      2          2 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech
      2          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\BoardPanel.java
      2          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Clock.java
      2          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\SidePanel.java
      2          2 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Tetris.java
      2          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisJohn/src/org/psnbtech/
      2          2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\BoardPanel.java
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Clock.java
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\SidePanel.java
      2          2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Tetris.java
      2          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisTom>

```

Event #5:

Revision change for Tetris.java file:

Event	Repository	Tom	Susan	John
5	3	4	2	2
Description	No change as Tom already synchronized his working copy in Event 4 No conflicts were observed			

Screenshot of revision versions of Susan, Tom, John and repository:

```
C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisSusan/src/org/psnbtech/
      2      2 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech
      2      1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\BoardPanel.java
      2      1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Clock.java
      2      1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\SidePanel.java
      2      2 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Tetris.java
      2      1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisTom/src/org/psnbtech/
      4      4 meets      C:\Users\meets\TetrisTom\src\org\psnbtech
      4      1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\BoardPanel.java
      4      4 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Clock.java
      4      1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\SidePanel.java
      4      3 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Tetris.java
      4      1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisTom>svn status -v C:/Users/meets/TetrisJohn/src/org/psnbtech/
      2      2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech
      2      1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\BoardPanel.java
      2      1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Clock.java
      2      1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\SidePanel.java
      2      2 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Tetris.java
      2      1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\TileType.java

C:\Users\meets\TetrisTom>svn list -v file:///C:/Users/meets/repos/Tetris/trunk/src/org/psnbtech/
  4 meets      Dec 06 00:49 ./
  1 meets      12449 Dec 06 00:02 BoardPanel.java
  4 meets      3844 Dec 06 00:49 Clock.java
  1 meets      6367 Dec 06 00:02 SidePanel.java
  3 meets      14183 Dec 06 00:44 Tetris.java
  1 meets      8717 Dec 06 00:02 TileType.java

C:\Users\meets\TetrisTom>
```

Event #6:

Revision change for Tetris.java file:

Event	Repository	Tom	Susan	John
6	3	4	4	4
Description	No change in the revision version of repository No change in the revision version of Tom working copy Susan got the head revision(4) John got the head revision(4)			

Screenshot of revision versions of repository, John, Tom and Susan:

```
C:\Users\meets>svn list -v file:///C:/Users/meets/repos/Tetris/trunk/src/org/psnbtech/
  4 meets          Dec 06 00:49 ./
  1 meets          12449 Dec 06 00:02 BoardPanel.java
  4 meets          3844 Dec 06 00:49 Clock.java
  1 meets          6367 Dec 06 00:02 SidePanel.java
  3 meets          14183 Dec 06 00:44 Tetris.java
  1 meets          8717 Dec 06 00:02 TileType.java

C:\Users\meets>svn status -v C:/Users/meets/TetrisJohn/src/org/psnbtech/
      4          4 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech
      4          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\BoardPanel.java
      4          4 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Clock.java
      4          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\SidePanel.java
      4          3 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\Tetris.java
      4          1 meets      C:\Users\meets\TetrisJohn\src\org\psnbtech\TileType.java

C:\Users\meets>svn status -v C:/Users/meets/TetrisTom/src/org/psnbtech/
      4          4 meets      C:\Users\meets\TetrisTom\src\org\psnbtech
      4          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\BoardPanel.java
      4          4 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Clock.java
      4          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\SidePanel.java
      4          3 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\Tetris.java
      4          1 meets      C:\Users\meets\TetrisTom\src\org\psnbtech\TileType.java

C:\Users\meets>svn status -v C:/Users/meets/TetrisSusan/src/org/psnbtech/
      4          4 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech
      4          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\BoardPanel.java
      4          4 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Clock.java
      4          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\SidePanel.java
      4          3 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\Tetris.java
      4          1 meets      C:\Users\meets\TetrisSusan\src\org\psnbtech\TileType.java

C:\Users\meets>
```