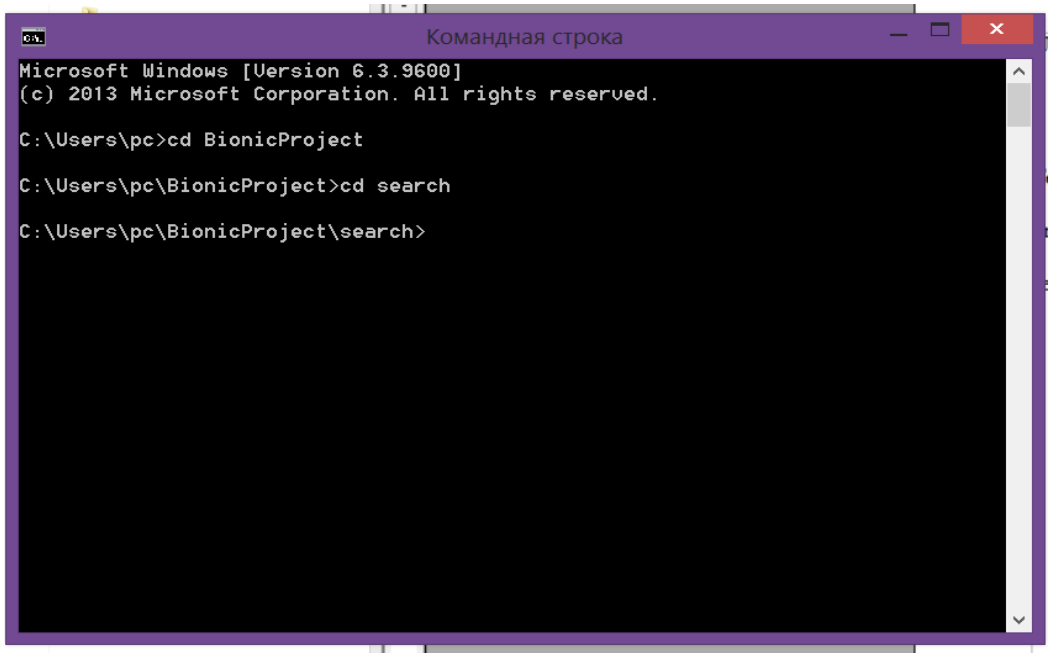
1.User guide:

To run this program:

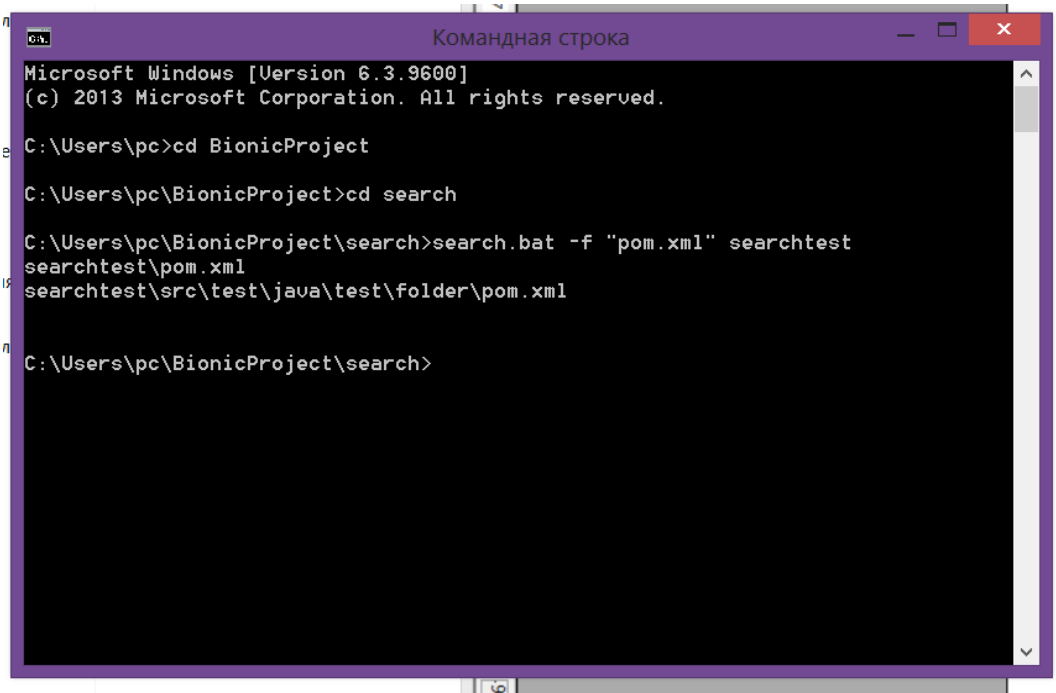
1. unzip folder "search" from archive file to folder, convenient for you .
2. open command prompt and using it go to folder "search" from (1)



3. to find all the files whose names match some text and that are in choosen directory and its' subdirectories enter command:

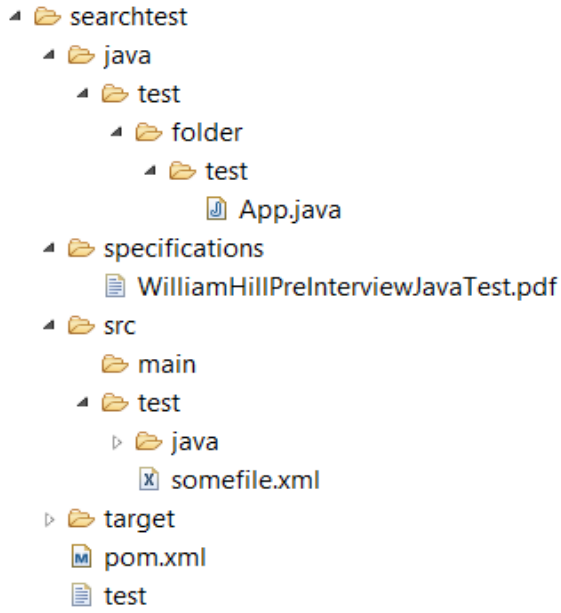
   search.bat -f "file.name" directoryPath

   as you can see on picture and it will print the result.

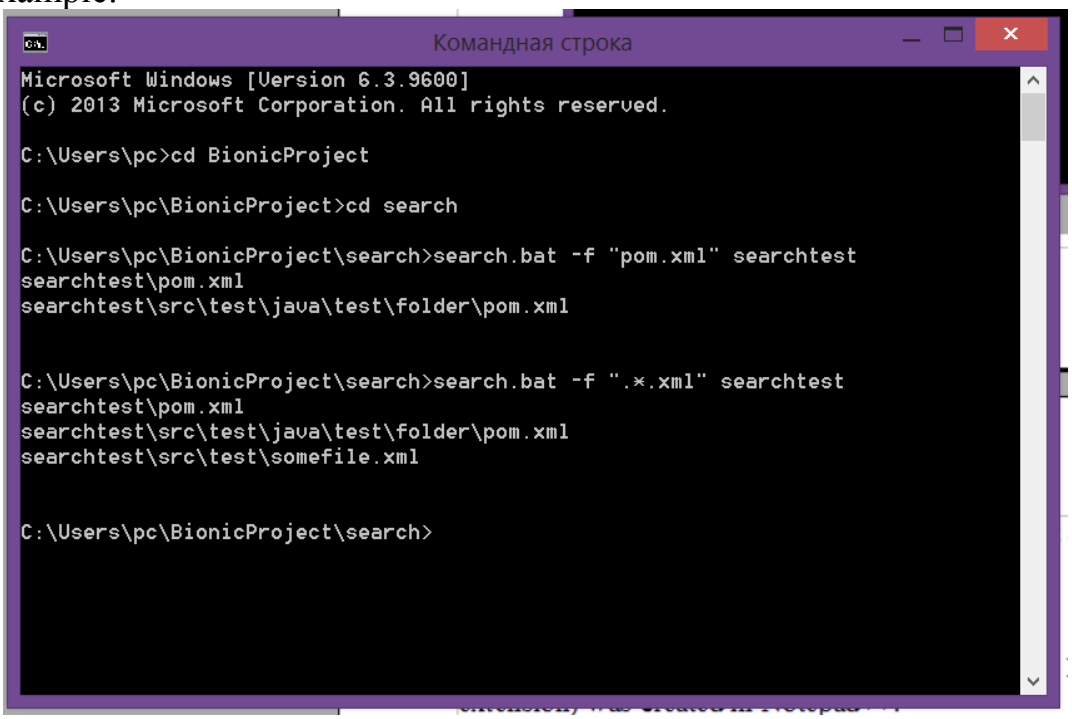


Directory path can be absolute of relative.

Note: for testing I created directory "searchtest" inside project folder. Its' structure:

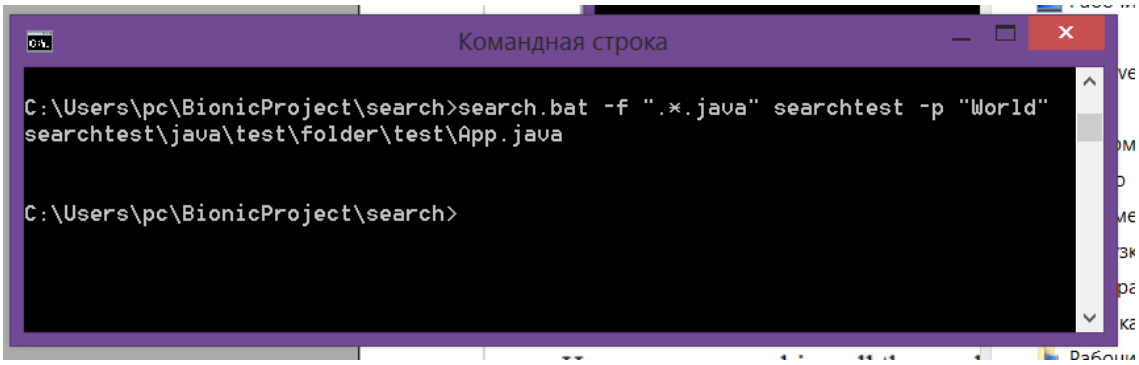


4. Instead of definite text in " " you can input a regular expression, for example:



Here we are searching all the .xml files from searchtest folder.

5. Except for -f parameter you also can search files that have in content definite text or regular expression. For this purpose use additional -p parameter: *search.bat -f "name" directoryName -p "text"* :

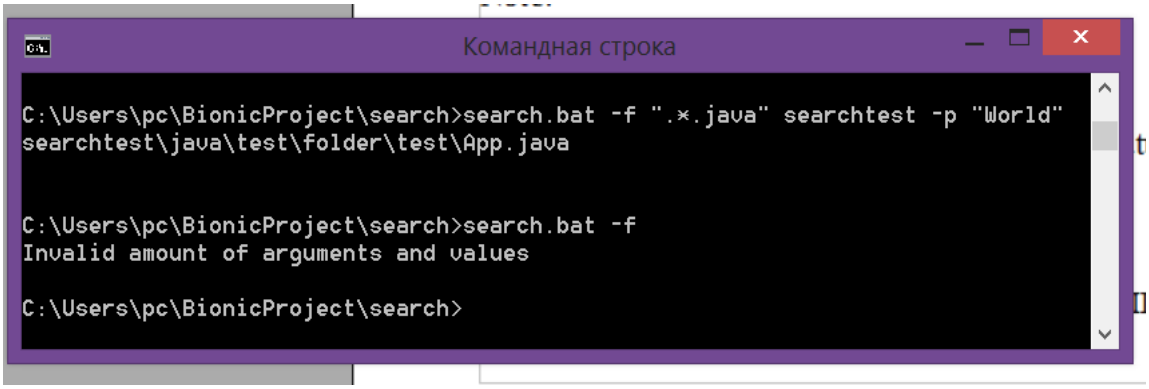


Note:

-f parameter is necessary!

-p parameter is optional

6. If user input is invalid (missing parameters or values, etc), responsible error message will be printed.



For additional information about program struture, algorythm and methods you can read in comments inside code.

Technologues & Libraries:

This program is written in Java using Eclipse IDE. Batch file (with .bat extension) was created in Notepad++.

The only library I used was **JRE System Library** versiob 1.8 (for working with files, regular expressions and so on) and **JUNIT 4 Library** (for writting tests).