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J. Barnes & Michael Kölling Objects First with Java A Practical Introduction using BlueJ Seventh Edition, Pearson, 2016 ISBN (US edition): 978-0-138-08717-3 ISBN (Global Edition): 978-1-924-63599-5 These are the instructions for the generic BlueJ installer (the installer "for other operating systems"). This installer can be used on most Unix-like operating systems as well as Mac OS X and Windows. However, it is generally preferable to use the "native" installer when available. The generic installer requires that a Java JDK be installed separately. There are two possibilities depending on the version of BlueJ: For BlueJ 5.4.0 and later, OpenJDK 21 and OpenJFX 21 are required, which are only available for 64-bit operating systems. You can download the OpenJDK from Adoptium: choose version "21 - LTS" and then your operating system and architecture. You also need OpenJFX 21 - download the "SDK" download for your operating system from Gluon. This is a zip which you should unzip locally. The BlueJ installer will ask you for the path of the JDK and unzipped JavaFX. For BlueJ 5.1.0 and later, OpenJDK 17 and OpenJFX 17 are required, which are only available for 64-bit operating systems. You can download the OpenJDK from Adoptium: choose version "17 - LTS" and then your operating system and architecture. You also need OpenJFX 17 - download the "SDK" download for your operating system from Gluon. This is a zip which you should unzip locally. The BlueJ installer will ask you for the path of the unzipped directories. For BlueJ 4.0.0 to 4.1.4 a Java 8 JDK is required, and we recommend installing the latest JDK 8 update - you can download the Oracle JDK from the Oracle website. Make sure to get the JDK (not the JRE) and to download the correct version. Installation Procedure Download the installer, making sure to keep track of where it is in the filesystem. Start your Command Prompt or Terminal application. You will complete the installation by typing some commands into this application. (For Windows users, see these instructions for how to start the Command Prompt). Run the following command: java -jar - replacing with the correct path to the installer jar file that you downloaded. If you receive a "command not found" or similar error, you may need to specify the full path to the Java executable. For example: "C:\Program Files\Java\jdk1.8.0_144\bin\java.exe -jar "C:\Users\Sarah\Downloads\bluej-411.jar" (this example is for Windows; other operating system paths normally use "/" as a path separator). The installer should start and present a window where you can specify both the path to the JDK, and for BlueJ 4.2.0 the path to OpenJFX. (make sure it is correct) and where you want BlueJ to be installed. It is usually best to install BlueJ somewhere under your home folder. Take note of the path as you will need it to run BlueJ later. Running BlueJ To run BlueJ: On Windows: Start the Command Prompt application. Change into the directory where you installed BlueJ: cd ... replacing with the path you chose to install BlueJ. To start the BlueJ batch file: bluej.bat On other operating systems: Start the Terminal application. Change into the directory where you installed BlueJ: cd ... replacing with the path you chose to install BlueJ. To start the BlueJ shell script file: ./bluej Support Please see the support links on the main page. Objects First with Java A Practical Introduction using BlueJ Seventh Edition, Pearson, 2016 ISBN (US edition): 978-0-138-08717-3 ISBN (Global Edition): 978-1-924-63599-5 This book is a textbook for introductory programming courses. It is designed to be used in a classroom setting. The book is divided into two main parts: the first part covers the basics of programming, and the second part covers the more advanced topics of object-oriented programming. The book is written in a clear and concise style, and it includes many examples and exercises to help students learn. The book is also available in a digital format, which can be accessed online. The book is a valuable resource for students and teachers alike. The book is a textbook for introductory programming courses. It is designed to be used in a classroom setting. The book is divided into two main parts: the first part covers the basics of programming, and the second part covers the more advanced topics of object-oriented programming. The book is written in a clear and concise style, and it includes many examples and exercises to help students learn. The book is also available in a digital format, which can be accessed online. The book is a valuable resource for students and teachers alike.

never terminates if another thread tries to j... The auto-indent should work in both directions There should be an opposite to TAB key indention 1.3.5 11 December 2003 Summary of most important changes: execution speed improvements (using VM optimisation by default) JUnit testing: auto-generated code improved auto-open of last used projects on startup System.exit now restarts VM improvements to extension API standard preference handling on MacOSX number of 'recent projects' user definable startup without additional DOS window on MS Windows class diagram supports multiple selection changed inspector look better error messages easier addition of user libraries through use of 'userlib' directory colours for different class types user definable added missing label in some foreign languages 'VM optimize' now available in preferences new menu shortcuts for 'page setup', 'generate documentation' text input with multiple projects now works (one terminal per project) editor maintains last display state (interface/implementation) between sessions each package now has separate README note JApplet class now used by default when creating applets instead of Applet 1.3.0 7 August 2003 Summary of most important changes: more robust debugger/execution architecture extension API added submission extension added unit test support added improved diagram printing user definable scaling of diagram printout now using jdk 1.4.1 on MacOS if installed Aqua interface improvements on MacOS web browser start problem on Win98/ME resolved EXIT_ON_CLOSE option bug fixed some documentation generation bugs fixed new interface languages available: Portuguese source print font size user definable printing form feed character (unicode 0x000C) now clears terminal terminal gets automatically cleared on recompile inspection of static fields now in class menu compiler warning display improved 1.2.2 16 October 2002 Summary of most important changes: freeze bug with jdk1.4.1 and debugger fixed 'open recent' option added to Project menu support for 'stand-out' comments System.err output in terminal improved project documentation with spaces in path works now evaluation of expressions added user interface in italian added 1.2.1 1 August 2002 Summary of most important changes: bug with frequent access of floppy drive fixed bracket matching in editor implemented bluej.exe accepts parameters System.err output now directed to Bluej terminal 'auto-clear' option in bluej terminal new interface languages: Chinese, Czech, Afrikaans 1.2.0 4 April 2002 Summary of most important changes: 326, 335 - support of jdk 1.4 added 285 - return key now activated OK button in parameter dialogs 330 - project documentation fixed with jdk 1.4 343 - improved auto-indentation in editor 347 - last used project directory saved across sessions 000 - added windows installer 1.1.6 16 January 2002 Summary of most important changes: 166 - debugger now displays static variables in a separate list 166 - debugger displays variables when stopped in static method 225 - projects can include project-specific libraries 261 - Frames/JFrames automatically removed when objects are removed 235 - help menu items can be added by users 267 - terminal font size user definable 276 - javadoc can be configured to include private methods 295 - automatic creation of crash recovery files; optional creation of backup files (thanks to David R. Musicant (dmusican@mathcs.carleton.edu) for implementing these features) 241 - proper find/replace implemented in editor 250 - optional line number display in editor 300 - added block indent function to editor 303 - method template for "insert-method" template user definable 310 - japanese localisation added (interface, etc. in japanese); thanks to Runrun 275 - use Command key instead of CTRL as menu shortcut on MacOS 277 - bug fix on MacOS: Show Terminal/Debugger could crash system 298 - extended latin characters (umlaut, accented characters, etc) handled correctly by parser 1.1.5 24 September 2001 Summary of most important changes: 240 - documentation needs update (1.3 req) 12 - font size in editor not user definable 234 - Screen maximize 247 - cannot create jar file in project directory 248 - Some applet classes are not recognised when project is loaded 252 - Exported jar files containing packages unusable under Windows 255 - jikes error messages aren't shown 191 - Unexpected characters in input cause exception 1.1.4 14 June 2001 requires JDK 1.3 or newer uses new (JDK1.3) compiler implementation can get arrays and array element to the object bench local variables of static methods now shown (bug fix) new class templates can be added class templates can be located in arbitrary directory "user home" can be specified display of exceptions in library classes improved bug fixes with editor key definitions new editor functions for cutting/copying/moving lines and words optional soft TABs (tabbing with spaces) in the editor various bug fixes 1.1.3 29 March 2001 can now create objects of library types (eg. String) and call static methods breakpoints in main did not work - fixed editor tab size definable in bluej.defs file syntax colours user definable bug with interface views and multiple drives on Win32 fixed can now re-display project documentation without re-generating debugger "terminate" fixed object inspection from debugger fixed export for packages with sub-packages fixed 1.1.2 9 February 2001 added support for installation on MacOS X interface view of classes changed to display javadoc format in Bluej editor inspection of elements of large arrays fixed System.exit now terminates all threads bugs with parsing explicit positive ints fixed more compiler error message help texts added "describe" function (CTRL-D) in editor fixed (had bug on Windows) static data now gets reinitialised with each call to "main(String[])" 1.1.1 1 September 2000 applets are now properly recognised even if not directly inheriting from "Applet" editor key bindings are now properly saved between sessions (JDK 1.3 only) "spinning barber pole problem" (infinitelyspinning barber pole) on Linux fixed classes in the project are now recognised when source is not there (only .class file). This may be used to supply use-only classes to students without source bug with incorrect project closing fixed class positioning when adding class from file corrected long error messages in editor now wrap over two lines. Pressing the "?" button shows the complete message (together with an explanation) default argument for "public static void main(String[])" changed from null to { } to ensure compatibility with DOS editors have icons when minimised 1.1 4 August 2000 UML-style notation for the class diagram support for named and nested packages improved import of non-Bluej packages terminal text can be saved or copied editor key bindings can be changed (jdk 1.3 only) editor font can be changed "export" function to create standard Java packages and executable jar files projects have project comments (README note) javadoc support added for single classes and whole projects cascading menus for large menus the debugger can now be used with swing applications classes can be renamed in the class source 1.0.3 23 May 2000 static methods on abstract can be called now bug with calling methods after using "Get" has been fixed printing the class diagram has been improved class names can now be changed by changing the name in the source 1.0.2 8 March 2000 printing class sources has been fixedimproved editor views have been improved bug fixed: end of long lines was not displyed properly bug fix: System.exit() did not work correctly new editor functions: "indent", "break-and-indent", "comment", "uncomment" editor key bindings can be changed (but are not yet saved - they are lost on exit) a default source directory can be defined in the "bluej.defs" file. This serves as a starting point for the file chooser install support for jdk 1.3 added 1.0.1 17 January 2000 installation support for Linux jdk 1.2.2 added added preferences dialogue editor font size can be changed non-Bluej packages can now be opened in Bluej (with automatic dependency analysis). So far, only packages without nested packages are supported "package..." line automatically fixed when importing classes System.exit() now works for graphical applications bug fixed in inspection of large arrays default parameter "null" added for static void main calls support for internationalisation (so far, German is the only language file supplied besides English) 1.0 23 August 1999 dependencies (eg inheritance relationships) are automatically entered into the source code if entered graphically several bugs in the debugger have been fixed 0.9.7 11 August 1999 text terminal reimplemented; fixed many problems terminal comes to front on output inspect for local variables in debugger implemented dependency display improved: changes in code immediately reflected in diagram 0.9.5 7 July 1999 Implementation changed to run on Java 2 platform Debugger implemented. Includes breakpoints, single stepping, variable inspection Execution implementation changed to use JDI - promises significant improvements in stability and reliability Applets supported (development and viewing in applet viewer and browser) Dependency analysis fixed - works correctly now Many editor improvements Help button for compiler error messages and exceptions Array inspection implemented Exception handling (reporting) improved 0.9.2a 12 May 1999 One bug fix: bluej could not be started on Unix systems without a command line argument. 0.9.2 5 May 1999 internal implementation improvements some editor improvements (key shortcut, tabs, ...) editor function "key bindings" implemented - lists all user functions and their bindings many bug fixes 0.9.1 28 April 1999 printing of source files implemented cleaned up object popup menus classes can no longer be moved out of the screen removed bug in removing arrows backup package file now named "bluej.pki" instead of "bluej.pkg" - to avoid Windows copying bug 0.9.0 15 March 1999 handling of exceptions: exceptions in user programs are caught and displayed properly System.exit() can now be used normally bug fix: empty string as method result now returned properly bug fix: user defined object as method result now shown correctly bug fixes: names of objects on bench: now ensures that names are unique and valid bug fix: layout of object bench after "get" and "remove" fixed bug fix: objects could not be used properly after put on the object bench through the "Get" operation in the inspect window. This works now. 0.8.9 2 March 1999 Removing of classes has been implemented In the installer, a path to the java executable can be specified and will be used In multi-user system, where the Bluej home directory is not writable to users, the system should now work much better. The Save As function has been implemented. Many other bug fixes... A free Java Development Environment designed for beginners, used by millions worldwide. Find out more... "One of my favourite IDEs out there is Bluej"— James Gosling, creator of Java. Created by Supported by Download and Install Version 5.5.0, released 3 June 2025 (Many feature improvements, see more) Note: Bluej requires a 64-bit operating system, which 95+% of users will have.For 32-bit operating systems, download Bluej 4.1.4 instead. "Objects First with Java: A Practical Introduction Using Bluej" is a textbook co-written by the developers of Bluej and has sold hundreds of thousands of copies worldwide. Our free Blueroom website offers teaching resources and the chance to engage with other educators using Bluej around the world. Tutorials and reference materials for working in Bluej. We have several extensions available that add to Bluej's base functionality.

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