

# Bluej exercise solution chapter 3

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**What happens when the setValue method is called with an illegal value?** If you invoke the setValue method with an illegal value then nothing at all happens. The check that is performed for a sensible value - i.e. one that is greater than or equal to 0 and less than the limit - ensures that no changes are made if an illegal value is passed.

**How do you create an object in Blue J?** To create an actual object, you use the new keyword. This will call up a constructor, a method defined in the Class that "constructs" an instance of the Class. A Class can have different Constructors, each with different parameters.

**What are classes in BlueJ?**

**What is the purpose of setValue () in Java?** setValue. Sets the value of this expression to value . This value will be returned by the getValue method without calling the method associated with this expression.

**What is the difference between setValue and patch value?** As for patch VS set, the difference is mainly on form groups rather than form controls : setValue requires all fields to be set, but patchValue accepts a partial of all the fields that are expected.

**How do you code in BlueJ?**

**How do you get output in BlueJ?**

**How to use input in BlueJ?**

**How to test a class in BlueJ?**

**How to compile a class in BlueJ?** To compile a class that is part of a program you can either click the Compile button on the left side of the window or right click on the icon of the class and select the Compile option from the pop up menu. If the class does not have any syntax errors it will now be shown without any diagonal lines on its icon.

**What are the two parts of a class in Java?**

**Why do we use || in Java?** We use the symbol || to denote the OR operator. This operator will only return false when both conditions are false. This means that if both conditions are true, we would get true returned, and if one of both conditions is true, we would also get a value of true returned to us.

**What is a thread in Java?** What is a Thread in Java? A thread in Java is the direction or path that is taken while a program is being executed. Generally, all the programs have at least one thread, known as the main thread, that is provided by the JVM or Java Virtual Machine at the starting of the program's execution.

**What is a list in Java?** Java List is an ordered collection. Java List is an interface that extends Collection interface. Java List provides control over the position where you can insert an element. You can access elements by their index and also search elements in the list.

**What is the difference between setValue and reset?** The simplest rule of thumb is: reset is for resetting the whole form or its major part. setValue is for updating a single field value.

**What is the use of setValue?** setValue() is a GlideRecord method used to set values for fields in a GlideRecord object. This method allows you to assign or update field values in records before inserting or updating them in the database.

**How does PATCH value work?** patchValue() function is used to set the value of reactive form controls. use case scenario, We use the patchValue() function when we do not want to update all the controls of the reactive form, we can fill partial controls of the form.

**What was Java initially called?** The language was initially called Oak after an oak tree that stood outside Gosling's office. Later the project went by the name Green and was finally renamed Java, from Java coffee, a type of coffee from Indonesia.

**What coding language does BlueJ use?** BlueJ provides an easy-to-use teaching environment that helps first year students learn the Java programming language and then helps transition them to a world IDE (NetBeans). The BlueJ integrated development environment is highly interactive and encourages experimentation and exploration. BlueJ is available for free!

**How to learn BlueJ for beginners?**

**What is the first company name of Java?** Java was formerly known as Oak. Since Oak was already a registered company the name later changed to Java. Java was originally developed at Sun Microsystems and released in 1995 as a core component of Sun Microsystems' Java platform.

**What are various data types in Java?** There are 8 Primitive data types in Java – Boolean, char, byte, int, short, long, float, and double. In this article, we'll cover the Jump Statements in Java, such as break, continue and return, along with examples and explanations.

**How to write code in BlueJ?**

**How do I get output on BlueJ?** Right-click on the instance and select "void method" followed by the name of the method that you want to run. The output will be displayed in the "Terminal" window at the bottom of the BlueJ interface.

**How to display output in text field in Java?** To display values in a JTextField that is being used for output, we must make conversions in the opposite direction. As we have seen before, the String class contains an overloaded class method valueOf that can be used to convert the value of any primitive type or object to a string.

**How to run an applet in BlueJ?**

**What is the exception for illegal call in Java?** The IllegalArgumentException is an unchecked exception in Java that is thrown to indicate an illegal or unsuitable

argument passed to a method. It is one of the most common exceptions in Java.

**What is the use of setValue in Javascript?** setValue() This method adds or updates the value of the current element. You must use the other XML get methods to navigate through an XML document. This method is a synonym for setNodeValue();.

**What is the meaning of setValue?** Assigns a value to a user preference item using a fully qualified value address. The User Preferences Service validates the value against any constraints defined for the item. If the value is invalid, the operation returns an exception without saving the value.

**What is the keyword used to indicate that a method does not return a value?** The keyword void indicates a method that does not return a value, e.g. Pitfall: constructors never return a value, but must NOT have the void keyword in their definition.

**How to fix illegal state exception in Java?** Calling the next() method moves the Iterator position to the next element. Calling the remove() method afterwards will remove the first element in the ArrayList , which is a legal operation and helps fix the exception.

**How to solve illegal argument exception in Java?** When an IllegalArgumentException is thrown, we must check the call stack in Java's stack trace and locate the method that produced the wrong argument. The IllegalArgumentException is very useful and can be used to avoid situations where the application's code would have to deal with unchecked input data.

**How to fix illegal start of type error in Java?**

**What is the difference between SetValue and reset?** The simplest rule of thumb is: reset is for resetting the whole form or it's major part. setValue is for updating a single field value.

**What is the use of === in JavaScript?** The strict equality ( === ) operator checks whether its two operands are equal, returning a Boolean result.

**Should I always use === in JavaScript?** While '==' does have its uses, it is generally recommended to use '===' in JavaScript. It gives you more control over your code and helps prevent subtle bugs due to type coercion.

**How to read set value in JavaScript?** You retrieve the values in a set by using the "values" method, which returns an iterable. You can then use a for loop or for-of loop to loop through the values. The example below shows the creation of a set of fruits with 4 elements and the use of the "values" method to loop through the elements with a for-of loop.

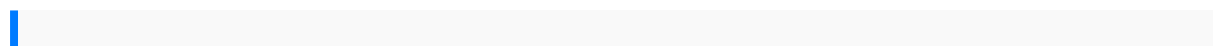
**What is the difference between SetValue and addValue?** Send a sequence of key strokes to an element after the input has been cleared before. If the element doesn't need to be cleared first then use addValue . If you like to use special characters, e.g. to copy and paste a value from one input to another, use the keys command.

**What is the difference between SetValue and postValue?** postValue() is not lifecycle aware. The value will be updated whenever the main thread runs. In the case of setValue() the said value is called twice, and the value is updated twice, and the observers are notified about the updated data twice.

**What is the opposite of void in Java?** In Java, methods that give you something back are called non-void methods.

**What does public void mean?** Public Void in Java You may encounter methods with the public void access modifier frequently in Java programming. The public access modifier allows the method to be accessed from anywhere within the program, and the void keyword indicates that the method doesn't return any value.

**What is the meaning of void in Java?** In Java, the void keyword is a reserved type used mainly to specify that a method does not return any data type. It can also be used as a non-access modifier of a constructor or method, or of a class in a class declaration. An example of its use in a method declaration is shown below: java.



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