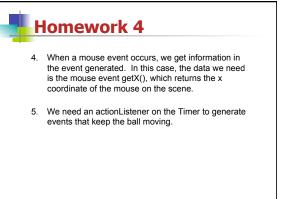
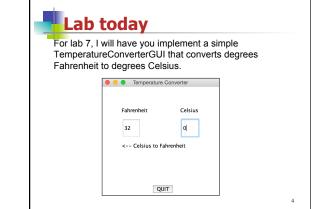




- 1. In homework 4, you will add a paddle to the bouncing ball scene.
- In a sequence of steps, you draw the paddle, make it move, and then make sure the ball bounces off the paddle.
- 3. This is the first time you have used a Listener for a mouse event. The listener I ask you to use is a MouseMotionListener, which requires the implementing class to contain a mouseMoved and a mouseDragged method (but for the assignment, you only need a mouseMoved method). Like Action-Listener, the MouseMotionListener can either be an instance method or an anonymous inner class.

2



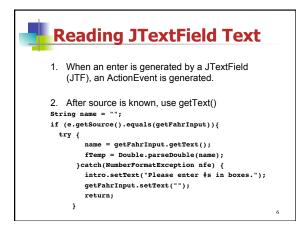




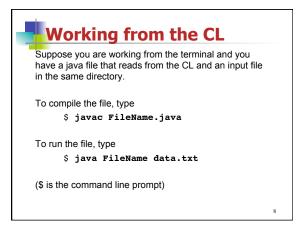
in tab 7, you will use GU component J texthetic to get input from the user. The starter file extends JFrame instead of JPanel. If the class type is-a JFrame, you can get a drawing surface out of the JFrame by using the getContentPane method

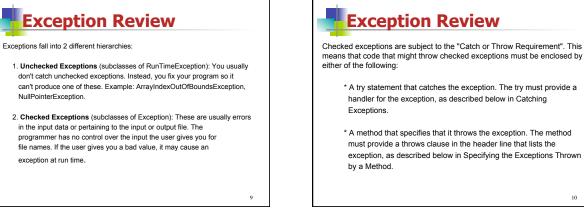
Hopefully the instructions will allow you to complete this lab with little trouble.

The input should be a number. However, a try block should be started before every attempt to convert a String into a number (-----Exception)???



R	leading from the CL	
	ometimes, you may want to enter the file inputs om the command line (CL):	
p	<pre>ublic static void main(String[] args) throws FileNotFoundException { String textFile = args[0]; Scanner scan = new Scanner(new FileReader(textFile)); int vertices = Integer.parseInt(scan.nextLine()); int deges = Integer.parseInt(scan.nextLine()); String graph[] = new String[edges]; for (int i = 0; i < edges; i++) { graph[] = scan.next() + ", " + scan.next(); } BFS(graph, source, vertices); printPaths(); }</pre>	
		1





11

File I/O with text

- 1. Use any text editor (DrJava will work too, just don't save file with .java extension).
- 2. Type in text.
- 3. Save the file as <name>.txt

10

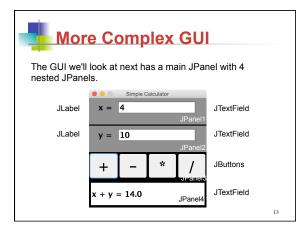
Reading from text files

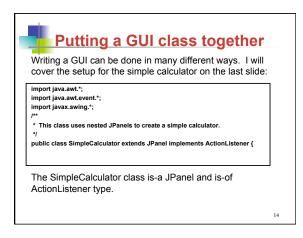
Using the Reader class BufferedReader:

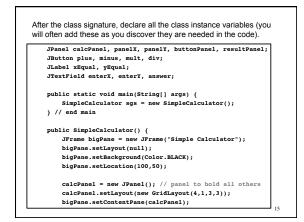
- 1. Import java.io.* for I/O exceptions and readers.
- 2. Declare a BufferedReader to be either a local or instance variable.
- 3. Instantiate the BufferedReader inside a while loop to keep trying in case an exception is thrown:

2

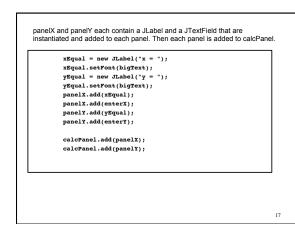
12

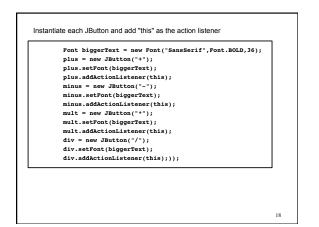


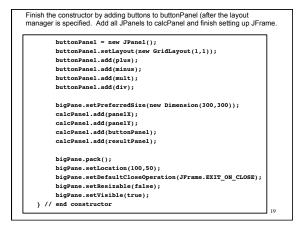


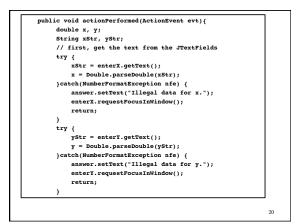


<pre>panelX = new JPanel();</pre>	
<pre>panelX.setBackground(Color.GRAY);</pre>	
<pre>panelX.setLayout(new FlowLayout());</pre>	
<pre>enterX = new JTextField("0", 10);</pre>	
<pre>Font bigText = new Font("SansSerif",Font.BOLD,20);</pre>	
<pre>enterX.setFont(bigText);</pre>	
<pre>panelY = new JPanel();</pre>	
<pre>panelY.setBackground(Color.GRAY);</pre>	
<pre>panelY.setLayout(new FlowLayout());</pre>	
<pre>enterY = new JTextField("0", 10);</pre>	
<pre>enterY.setFont(bigText);</pre>	









<pre>String op = evt.getActionCommand();</pre>	
<pre>if (op.equals("+"))</pre>	
<pre>answer.setText("x + y = " + (x+y));</pre>	
<pre>else if (op.equals("-"))</pre>	
answer.setText("x - y = " + (x-y));	
<pre>else if (op.equals("*"))</pre>	
answer.setText("x * y = " + (x*y));	
<pre>else if (op.equals("/")) {</pre>	
if (y == 0)	
answer.setText("Can't divide by zero.");	
else	
answer.setText(" $x / y = " + (x/y)$);	
} // end if	
} // end actionPerformed	
} // end class	