

Lesson 5: Fixing Errors in Java

Chapter 4, Video 1: "When Java throws an exception in BlueJ"

Just so you'll know what I'm talking about, I want to show you what it looks like when Java throws an exception in BlueJ.

I have our Temperature project open here. And I'm going to run it and enter some bad data so that you can see what the exception looks like, or what it looks like when the program blows up.

Let me start the program by right-clicking it, running its main method, and starting the program.

It's asking for the Fahrenheit temperature, and if I enter a valid temperature—say 98.6—it comes back with the converted temperatures in Celsius and Kelvin.

Now the second time, if I enter a bad value, say some letters like "xyz," and hit ENTER, you can see several things happen.

First the editor popped up with a line highlighted. The line down here that's highlighted is the line where the problem occurred. I tried to read letters into a number and got an exception.

The details of the exception are here in the terminal window. The bottom part of the screen is now divided. And if I expand that you'll see what's called an input mismatch exception.

The bottom part of the window is the error output and shows, in this case, that in line 30 of the program TemperatureDriver, I got an InputMismatchException, which means what it found isn't what it was expecting.

When something like this appears, you know you've got a problem.