

# THE JAVA PROGRAMMING LANGUAGE

## COLORED DRAWINGS

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### Exercise

In geometry, a line segment is a part of a line that is bounded by two end-points. We can describe each line segment by its end-points and a color.

Write a simple window application, that will have possibilities of creating, collecting, and drawing colored lines. Your application should consist of one panel only (an object of type `JPanel`) and a more complicated menu for setting the parameter of drawing (the current color, zoom, visibility of coordinate system, etc). A user should perform four steps for creating a new line:

1. select the current color (use the `JColorChooser` dialog),
2. press the left mouse button (the first end-point of the line segment),
3. move the cursor of the mouse to the another place,
4. release the mouse button (the second end-point of the line segment).

Programming this events define a class, which extends `MouseAdapter`. Write the current coordinates of the mouse cursor in the left-bottom corner.

### Requirement

Create, build, and run your application in *NetBeans* environment.