

- I. Create a window and draw the diagonals of the window in it, use the *java.awt* library.

 Take a look at the *paintComponent* method and the specifics of the *drawLine* method.
- II. Write a program that will simulate a simple text editor. In the *JFrame* window, place the *JTextArea* component and create a simple method that will determine its characteristic values according to the arguments passed to it:
 - Background color
 - Font color
 - Font type (np. Dialog)
 - Font size (np. 14)
 - Font emphasis (np. bold)
- III. The task aims to familiarize you with the basic layout manager of graphic components. Write a program that will test basic layouts.

The window should contain 5 buttons (JButton) containing the following subtitles:

- "Button1"
- "Button 2"
- "B3"
- "B 4"
- "Big button with a number 5"

You need to implement 3 basic layouts with their sample options:

- BorderLayout
- FlowLayout left aligned
- FlowLayout right aligned
- FlowLayout
- *GridLayout* as a single row
- \bullet GridLayout as one column
- GridLayout as a table, 2 columns, 3 rows

At the beginning of the program, we should choose which layout we want to use. Then the components should be displayed according to the selected layout.