Layout Managers

* Every container has a default layout manager, but we can explicitly set the layout manager as well
* setLayout methods of a container

Absolute Layout

* Without a layout manager
* setLayout(null)
* setBounds method for each of the containers children
* call repaint

FlowLayout

* Puts as many components as possible on a row the moves to the next row
* Rows are created as needed to accommodate all of the components
* Displayed in the order that they are added to the container

BorderLayout

* Based upon location relative to the container

Card Layout

* Manages two or more components that share the same display space
* Let the user choose between the components

Grid Layout

* A grid layout presents a container’s components in a rectangular grid of rows and columns

Box Layout

* Organizes components horizontally in one row or vertically in one column
* Components are placed top to bottom or left to right in the order in which they are added
* By combining multiple containers with Box layouts, many combinations can be created.

Grid bag layout

* Flexible but painful
* Places components in a grid of rows and columns where components can span multiple rows or columns.

Borders

* An empty border
  + Buffers the space around the edge of a component
  + No other visual effect
* Line
  + Line
* Etched
  + More detail, shadow
* Bevel
  + Highlights and shadows, raised or lowered
* Titled
  + Title on or around border
* Matte
  + Specifies top, left, bottom and right edges independently
  + Used solid color or image.