

Practical No. 2

Title: Program using layout Managers & Panels.

Description: The layout managers are used to arrange components in particular manner. layout manager is an interface that is implemented by all the classes of layout managers. There are following classes that represent layout manager.

- ① Java.awt.Border layout
- ② Java.awt.Flow layout
- ③ Java.awt.Grid layout
- ④ Java.awt.Card layout.

① Java.awt.Border layout: The Border layout is used to arrange the components in five regions: north, south, east, west, and center. each region may contain one component only. It is Default layout for frame or window.

We have used the Border layout in our program to represent the five regions using Buttons. The center Region or middle area we used text area.

we have also used a panel.

The BorderLayout provides 5 constants for each region.

- ① Public static Final int NORTH
- ② Public static Final int South
- ③ Public static Final int East
- ④ Public static Final int WEST
- ⑤ Public static Final int center.

② Flowlayout: the Flowlayout is used to arrange the components in line, one after another. It is default layout for applet or panel.

③ Gridlayout:- The Gridlayout is used to arrange the components in rectangular grid. one component is displayed in each rectangle.

④ Card layout:- The Card layout class manages the components in such manner that only one component is visible at a time. It treats each component as a card. That is why it known as card layout.

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conclusion: After performing this practical I have learnt use of different layout managers & pannels.