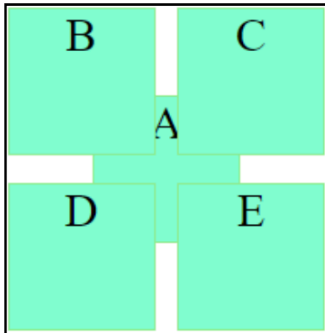## Task 1:

Problem Statement

Write code to position 5 equal-sized (50 X 50px) boxes A, B, C, D, and E as follows,

1. box A 200px from the left, and 200px from the top of the viewport.

2. box B -30px left, and -30px above from the center of box A.

3. box B -30px right, and -30px above from the center of box A.

4. box B -30px left, and -30px below from the center of box A.

5. box B -30px right, and -30px below from the center of box A.

Expected Output

Ans)

HTML File : Task 1 html
CSS File : Task 1 css

Task 2:

Problem Statement

Explain the difference between Absolute and Relative positioning.

Ans)

position: relative;
An element with position: relative; is positioned relative to its normal position.

Setting the top, right, bottom, and left properties of a relatively-positioned element will cause it to be adjusted away from its normal position.

Other content will not be adjusted to fit into any gap left by the element.

position: absolute;
An element with position: absolute; is positioned relative to the nearest positioned ancestor (instead of positioned relative to the viewport, like fixed).

If an absolute positioned element has no positioned ancestors, it uses the document body, and moves along with page scrolling.
Absolute positioned elements are removed from the normal flow, and can overlap elements.
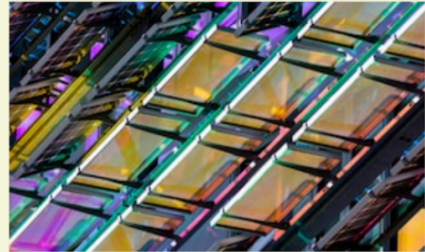
Task 3:

Problem Statement

Create a card as shown in the picture below. (You can use CSS float property only for layout).

Expected Output

Ans)
HTML File : Task 3 html
CSS File : Task 3 css

Task 4:

Problem Statement

Create a simple header that sticks to the top of a webpage upon scrolling.

Expected Output

Ans)
HTML File : Task 4 html
CSS File : Task 4 css

Task 5:

Problem Statement
Explain the z-index, with a code example.

Ans)

HTML File : [Task 5 html](#)

z-index
When elements are positioned, they can overlap other elements.

The z-index property specifies the stack order of an element (which element should be placed in front of, or behind, the others).

An element can have a positive or negative stack order.