To understand how the last `<div>` with `border-radius: 50%` was centered within its parent container, we need to break down the math and the CSS properties applied to the layout.

Key points from the code:

1. Flag Dimensions:

   The `.flag` class has a width of `900px` and a height of `600px`. This creates the main flag's rectangular shape.

2. Middle Blue Stripe:

   The inner `div` (the blue section) has:

   - `width: 100%` (full width of the flag, so `900px`)

   - `height: 300px` (half the height of the flag)

   - `top: 150px` (this positions the blue stripe 150px from the top of the flag, vertically centering it since the flag's total height is 600px and the blue stripe's height is 300px).

3. White Circle:

   Inside the blue stripe, the white circle (represented by the `div` with `border-radius: 50%`) has:

   - `width: 200px`

   - `height: 200px`

   - `border-radius: 50%` makes it a circle.

   - `top: 50px` positions it 50px from the top of the blue stripe.

4. Horizontal Centering:

   The white circle is centered horizontally within the flag (which is 900px wide). The calculation is:

   - The white circle's `left` is set to `350px`.

   - Total width of the flag is `900px`.

   - The circle's width is `200px`.

   - To center the circle horizontally:

Remaining space = 900px - 200px = 700px

 Since we want the circle centered, the left margin is half of the remaining space:

Left positioning = 700px = 350px

This makes the white circle centered horizontally within the flag.

5. Vertical Positioning:

The white circle is positioned `50px` from the top of the blue stripe, meaning:

- The blue stripe's height is `300px`.

- The circle's height is `200px`.

- The remaining space within the blue stripe is:

300px - 200px = 100px

- The circle is placed `50px` from the top of the blue stripe, which centers it vertically.

Conclusion:

The white circle is centrally aligned within the blue stripe because:

- Horizontally: It is placed at `left: 350px`, calculated from the available space within the 900px-wide flag.

- Vertically: It is placed at `top: 50px`, which is half of the remaining space in the 300px-high blue stripe.