

## Practical : 4B (Image Mapping)

**Aim:** To Demonstrate the use of Image mapping in javascript

**Question:** Use a Indian political map to create clickable regions for 3 different States in India.

**Concepts:**

Tag / Selector	Attribute / Property	Purpose / Usage
<img>	src, usemap	Displays the image and links it to the <map> element
<map>	name	Defines a clickable map area; linked using usemap="#name"
<area>	shape, coords, href, alt, title	Defines each clickable region inside the image map
shape="poly"	—	Indicates the clickable area is a polygon
coords="..."	—	Specifies the X, Y coordinates of the polygon points
href="..."	—	Sets the destination link for each region
alt / title	—	Improves accessibility and provides tooltips

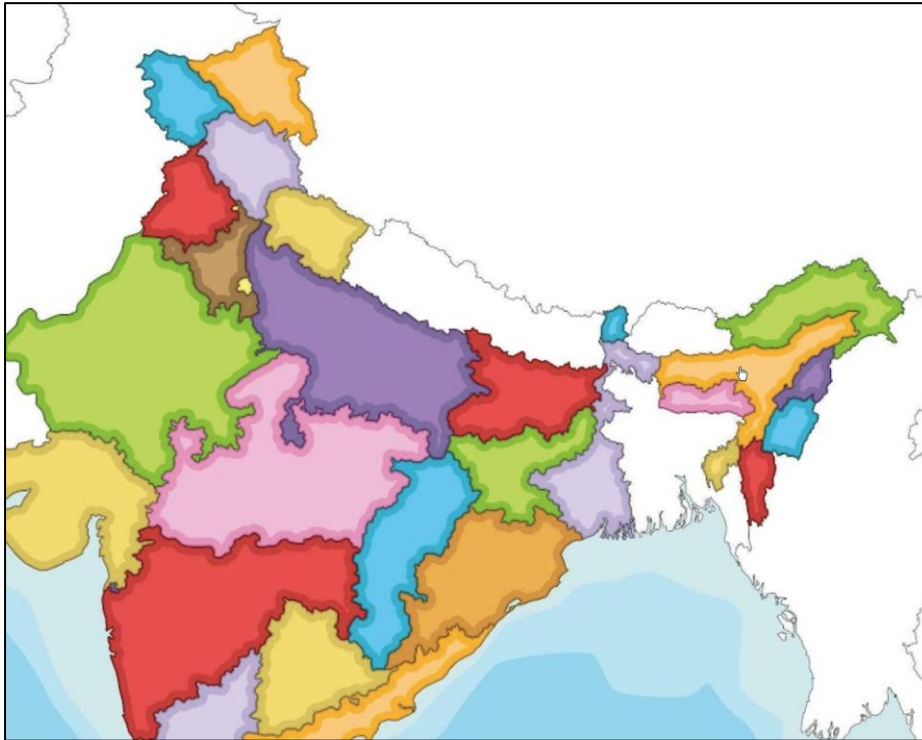
## Code:

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>4B - Image Mapping</title>
  </head>
  <body>
    

    <map name="image-map">
      <area
        target=""
        alt="Andhra Pradesh"
        title="Andhra Pradesh"
        href="https://en.wikipedia.org/wiki/Andhra_Pradesh"
        coords="480,561,464,569,451,559,434,574,419,581,402,590,390,602,370,61
5,294,653,265,654,260,693,299,722,302,749,351,720,353,659,374,657,386,638,413,
635,411,614,466,580"
        shape="poly"
      />
      <area
        target=""
        alt="Arunachal Pradesh"
        title="Arunachal Pradesh"
        href="https://en.wikipedia.org/wiki/Arunachal_Pradesh"
        coords="675,290,684,301,688,313,737,314,747,299,794,282,798,301,777,31
1,775,329,803,310,818,302,829,310,824,293,837,281,825,272,800,237,758,244"
        shape="poly"
      />
      <area
        target=""
        alt="Assam"
        title="Assam"
        href="https://en.wikipedia.org/wiki/Assam"
        coords="626,324,619,341,625,358,641,347,659,349,663,355,679,344,692,34
3,689,354,707,364,697,377,691,390,695,402,707,393,719,375,728,364,720,355,739,
346,753,325,792,303,792,283,746,301,738,316,712,313"
        shape="poly"
      />
      <area
        target=""
        alt="Bihar"
        title="Bihar"
        href="https://en.wikipedia.org/wiki/Bihar"
```

```
        coords="463,299,472,324,467,343,480,350,463,356,440,370,452,394,474,39
2,505,394,508,380,523,390,543,388,551,372,567,369,572,357,563,344,575,329,542,
333,512,329,488,316"
        shape="poly"
    />
</map>
</body>
</html>
```

**Output:****Conclusion:**

Through this practical, I learnt how to use the `<map>` and `<area>` tags to create interactive image maps in HTML. I used polygon shapes and coordinates to define clickable regions on an image, each linking to relevant Wikipedia pages. This helped me understand how to enhance user interactivity with visual elements while also making the webpage more informative and intuitive.