Assignment on IMAGE MAPPING IN HTML

AIM: To create a web page which includes a Indian map and display the related information about the state when a hot spot is clicked on the state in the map. You have to make 10such hotspot on the map covering different states of India like West Bengal, Maharastra, Uttar Pradesh etc.

PROCEDURE: 1. Create a html file with map tag. 2. Set the source attribute of the img tag to the location of the image and also set the use mapattribute. 3. Specify an area with name, shape and href set to the appropriate values. 4. Repeat step 3 as many hot spots you want to put in the map. 5. Create html files for each and every hot spot the user will select.

<u>Solution:</u>

- <u>Input - Image_map.html</u>

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

   <meta name="viewport" content="width=device-width, initial-scale=1.0">

   <title>Image Mapping - India Map</title>

</head>

<body>

   <h1>Click on a State to Know More</h1>

   <img src="https://www.mapsofindia.com/images2/india-map.jpg" usemap="#india-map" width="700" height="834" alt="India Map">

   <map name="india-map">

     <area shape="rect" coords="451, 360, 489, 388" href="west_bengal.html" alt="West Bengal">

     <area shape="rect" coords="271, 261, 349, 315" href="uttar_pradesh.html" alt="Uttar Pradesh">

     <area shape="rect" coords="151, 545, 213, 594" href="karnataka.html" alt="Karnataka">

```html
        <area shape="rect" coords="221, 561, 288, 600" href="andhra_pradesh.html" alt="Andhra Pradesh">

        <area shape="rect" coords="198, 704, 220, 734" href="kerala.html" alt="Kerala">

        <area shape="rect" coords="214, 667, 281, 701" href="tamilnadu.html" alt="TamilNadu">

        <area shape="rect" coords="91, 257, 195, 321" href="rajasthan.html" alt="Rajasthan">

        <area shape="rect" coords="63, 345, 119, 389" href="gujarat.html" alt="Gujarat">

        <area shape="rect" coords="615, 244, 646, 214" href="arunachal_pradesh.html" alt="Arunachal Pradesh">

        <area shape="rect" coords="161, 366, 306, 410" href="madhya_pradesh.html" alt="Madhya Pradesh">

    </map>

</body>

</html>
```

- Output - Image_map.html

Click on a State to Know More

- <u>Input - west_bengal.html</u>

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>West Bengal - Information</title>
</head>
<body>
  <h1>Welcome to West Bengal</h1>
  <img src="https://i.pinimg.com/564x/59/c8/e1/59c8e189794accc69e03ce4ded456d06.jpg" alt="West Bengal Image" width="600">
  <p><strong>Capital:</strong> Kolkata</p>
  <p><strong>Population:</strong> Approximately 91 million</p>
  <p><strong>Language:</strong> Bengali (official), English, Hindi</p>
  <p><strong>Famous for:</strong> The Sundarbans, Howrah Bridge, Victoria Memorial, Darjeeling, Rasgulla, Durga Puja</p>
  <p><strong>Economy:</strong> Agriculture, IT sector, Handicrafts, Jute industry</p>
  <p><strong>Tourist Attractions:</strong> Kolkata, Darjeeling, Sundarbans, Digha, Shantiniketan</p>
  <br>
  <a href="image_map.html">Back to Main Page</a>
</body>
</html>
```
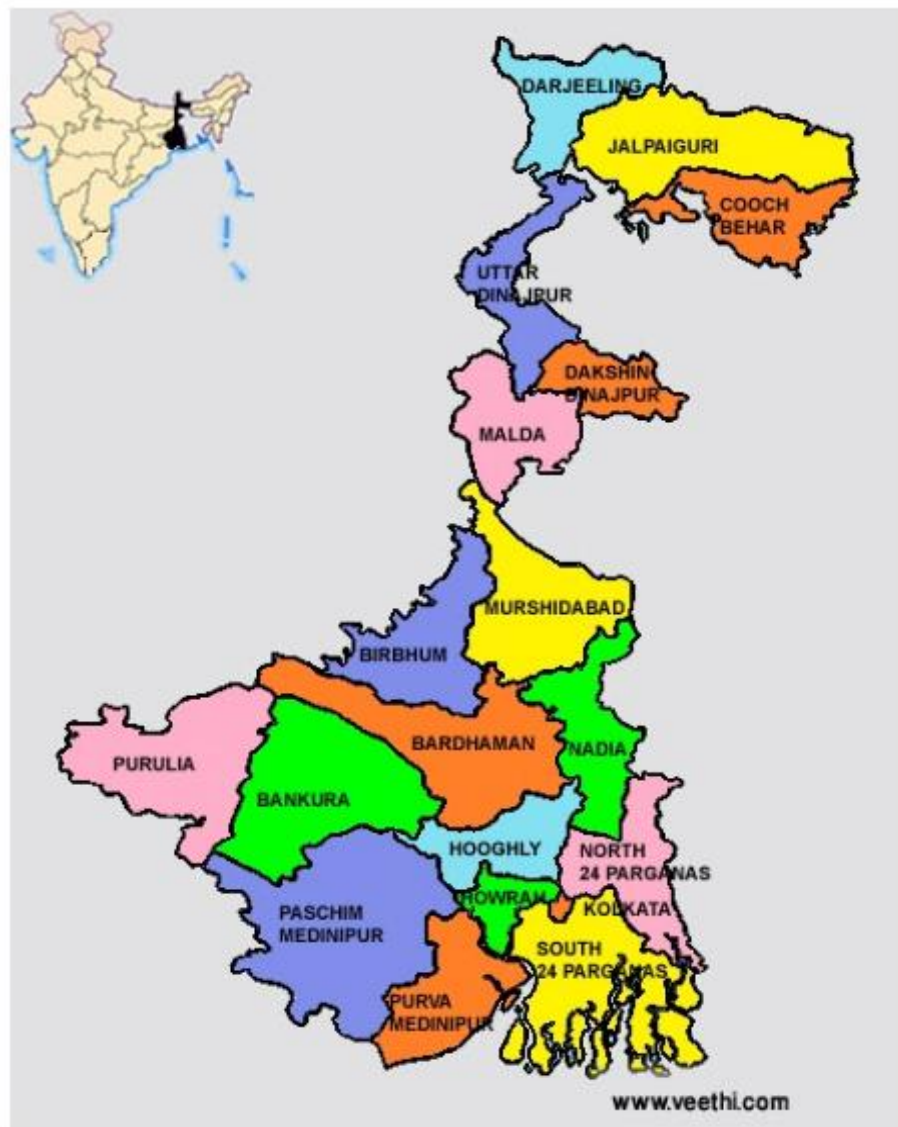
- Output – west_bengal.html

Welcome to West Bengal

Capital: Kolkata

Population: Approximately 91 million

Language: Bengali (official), English, Hindi

Famous for: The Sundarbans, Howrah Bridge, Victoria Memorial, Darjeeling, Rasgulla, Durga Puja

Economy: Agriculture, IT sector, Handicrafts, Jute industry

Tourist Attractions: Kolkata, Darjeeling, Sundarbans, Digha, Shantiniketan

Back to Main Page

- <u>Input – uttarpradesh.html</u>

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Uttar Pradesh - Information</title>
</head>
<body>
    <h1>Welcome to Uttar Pradesh</h1>
    <img src="https://i.pinimg.com/736x/96/8a/3a/968a3a227ed6824e2c5e429549e156d5.jpg" alt="Beautiful view of Uttar Pradesh" width="700">
    <p><strong>Capital:</strong> Lucknow</p>
    <p><strong>Established:</strong> 26 January 1950</p>
    <p><strong>Area:</strong> 243,286 km²</p>
    <p><strong>Population:</strong> ~231 million (as per 2021 estimates)</p>
    <p><strong>Languages Spoken:</strong> Hindi (official), Urdu, English</p>
    <p><strong>Famous for:</strong> Taj Mahal, Varanasi Ghats, Kumbh Mela, Ayodhya, Lucknow's Nawabi heritage, and delicious street food.</p>
    <p><strong>Climate:</strong> Varied climate with hot summers, monsoons, and cold winters.</p>
    <p><strong>Best Time to Visit:</strong> October to March for sightseeing and comfortable weather.</p>
    <p><strong>Festivals:</strong> Diwali, Holi, Navratri, Kumbh Mela</p>
    <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```

- <u>Output – uttarpradesh.html</u>

Welcome to Uttar Pradesh

Capital: Lucknow

Established: 26 January 1950

Area: 243,286 km²

Population: ~231 million (as per 2021 estimates)

Languages Spoken: Hindi (official), Urdu, English

Famous for: Taj Mahal, Varanasi Ghats, Kumbh Mela, Ayodhya, Lucknow's Nawabi heritage, and delicious street food.

Climate: Varied climate with hot summers, monsoons, and cold winters.

Best Time to Visit: October to March for sightseeing and comfortable weather.

Festivals: Diwali, Holi, Navratri, Kumbh Mela

Back to Home

- Input – karnataka.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Karnataka - Information</title>
</head>
<body>
  <h1>Welcome to Karnataka</h1>
  <img src="https://i.pinimg.com/564x/78/94/d3/7894d3e65a5e48b14fb1df2ccef6a0a9.jpg" alt="Beautiful view of Karnataka" width="700">
  <p><strong>Capital:</strong> Bengaluru</p>
  <p><strong>Established:</strong> 1 November 1956</p>
  <p><strong>Area:</strong> 191,791 km²</p>
  <p><strong>Population:</strong> ~67 million (as per 2021 estimates)</p>
  <p><strong>Languages Spoken:</strong> Kannada (official), English</p>
  <p><strong>Famous for:</strong> Mysore Palace, Hampi ruins, Coorg hill station, Jog Falls, and the IT hub of Bengaluru.</p>
  <p><strong>Climate:</strong> Varied climate with coastal humidity, moderate winters, and hot summers.</p>
  <p><strong>Best Time to Visit:</strong> October to March for sightseeing and pleasant weather.</p>
  <p><strong>Festivals:</strong> Mysuru Dasara, Ugadi, Makara Sankranti, Karaga Festival</p>
  <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```

- <u>Output – karnataka.html</u>

Welcome to Karnataka

Capital: Bengaluru

Established: 1 November 1956

Area: 191,791 km²

Population: ~67 million (as per 2021 estimates)

Languages Spoken: Kannada (official), English

Famous for: Mysore Palace, Hampi ruins, Coorg hill station, Jog Falls, and the IT hub of Bengaluru.

Climate: Varied climate with coastal humidity, moderate winters, and hot summers.

Best Time to Visit: October to March for sightseeing and pleasant weather.

Festivals: Mysuru Dasara, Ugadi, Makara Sankranti, Karaga Festival

Back to Home

- Input – andhra_pradesh.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Andhra Pradesh - Information</title>
</head>
<body>
  <h1>Welcome to Andhra Pradesh</h1>
  <img src="https://upload.wikimedia.org/wikipedia/commons/4/4f/AP_map.jpg" alt="Beautiful view of Andhra Pradesh" width="700">
  <p><strong>Capital:</strong> Amaravati (De facto), Visakhapatnam (Executive Capital)</p>
  <p><strong>Established:</strong> 1 November 1956</p>
  <p><strong>Area:</strong> 162,970 km²</p>
  <p><strong>Population:</strong> ~53 million (as per 2021 estimates)</p>
  <p><strong>Languages Spoken:</strong> Telugu (official), English</p>
  <p><strong>Famous for:</strong> Tirupati Balaji Temple, Araku Valley, Borra Caves, Pulicat Lake, and spicy Andhra cuisine.</p>
  <p><strong>Climate:</strong> Tropical climate with hot summers and moderate winters.</p>
  <p><strong>Best Time to Visit:</strong> October to March for pleasant weather.</p>
  <p><strong>Festivals:</strong> Ugadi, Pongal, Dussehra, Makara Sankranti</p>
  <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```
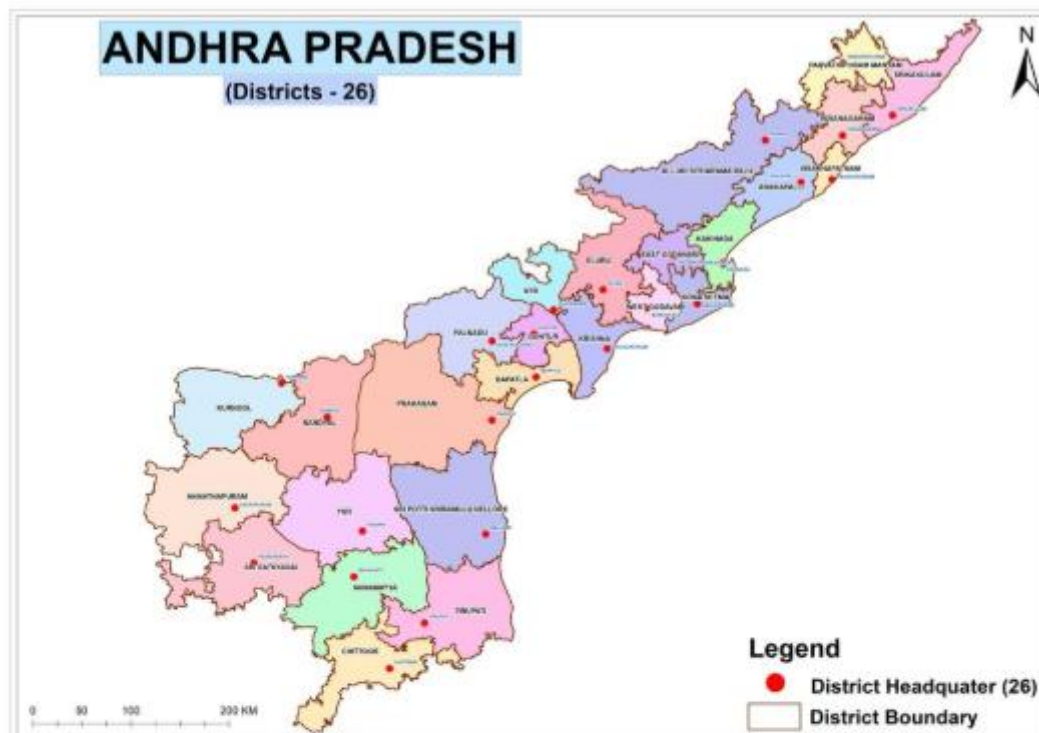
- Output – andhra_pradesh.html

Welcome to Andhra Pradesh

Capital: Amaravati (De facto), Visakhapatnam (Executive Capital)

Established: 1 November 1956

Area: 162,970 km²

Population: ~53 million (as per 2021 estimates)

Languages Spoken: Telugu (official), English

Famous for: Tirupati Balaji Temple, Araku Valley, Borra Caves, Pulicat Lake, and spicy Andhra cuisine.

Climate: Tropical climate with hot summers and moderate winters.

Best Time to Visit: October to March for pleasant weather.

Festivals: Ugadi, Pongal, Dussehra, Makara Sankranti

Back to Home

- Input – kerala.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Kerala - Information</title>
</head>
<body>
  <h1>Welcome to Kerala</h1>
  <img src="https://i.pinimg.com/564x/0f/ba/9b/0fba9bef8d631d81f7b044aa66fda18e.jpg" alt="Beautiful view of Kerala" width="700">
  <p><strong>Capital:</strong> Thiruvananthapuram</p>
  <p><strong>Established:</strong> 1 November 1956</p>
  <p><strong>Area:</strong> 38,863 km²</p>
  <p><strong>Population:</strong> ~35 million (as per 2021 estimates)</p>
  <p><strong>Languages Spoken:</strong> Malayalam (official), English</p>
  <p><strong>Famous for:</strong> Backwaters of Alleppey, Munnar hill station, Kovalam Beach, Ayurvedic treatments, Kathakali dance, and rich biodiversity.</p>
  <p><strong>Climate:</strong> Tropical monsoon climate with heavy rainfall and humid conditions.</p>
  <p><strong>Best Time to Visit:</strong> September to March for pleasant weather.</p>
  <p><strong>Festivals:</strong> Onam, Vishu, Thrissur Pooram, Nehru Trophy Boat Race</p>
  <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```

- Output – kerala.html

Welcome to Kerala

Capital: Thiruvananthapuram

Established: 1 November 1956

Area: 38,863 km²

Population: ~35 million (as per 2021 estimates)

Languages Spoken: Malayalam (official), English

Famous for: Backwaters of Alleppey, Munnar hill station, Kovalam Beach, Ayurvedic treatments, Kathakali dance, and rich biodiversity.

Climate: Tropical monsoon climate with heavy rainfall and humid conditions.

Best Time to Visit: September to March for pleasant weather.

Festivals: Onam, Vishu, Thrissur Pooram, Nehru Trophy Boat Race

Back to Home

- Input – tamilnadu.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Tamil Nadu - Information</title>
</head>
<body>
    <h1>Welcome to Tamil Nadu</h1>
    <img src="https://i.pinimg.com/564x/4e/e9/c0/4ee9c0fbdfe8d8c4a0d3f862bcff37d9.jpg" alt="Beautiful view of Tamil Nadu" width="700">
    <p><strong>Capital:</strong> Chennai</p>
    <p><strong>Established:</strong> 26 January 1950</p>
    <p><strong>Area:</strong> 130,058 km²</p>
    <p><strong>Population:</strong> ~78 million (as per 2021 estimates)</p>
    <p><strong>Languages Spoken:</strong> Tamil (official), English</p>
    <p><strong>Famous for:</strong> Temples of Madurai and Thanjavur, Marina Beach, Ooty hill station, Kanyakumari, Bharatnatyam dance, and South Indian cuisine.</p>
    <p><strong>Climate:</strong> Tropical climate with hot summers, monsoons, and mild winters.</p>
    <p><strong>Best Time to Visit:</strong> November to March for comfortable weather.</p>
    <p><strong>Festivals:</strong> Pongal, Tamil New Year, Thaipusam, Karthigai Deepam</p>
    <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```

- Output – tamilnadu.html

Welcome to Tamil Nadu

Capital: Chennai

Established: 26 January 1950

Area: 130,058 km²

Population: ~78 million (as per 2021 estimates)

Languages Spoken: Tamil (official), English

Famous for: Temples of Madurai and Thanjavur, Marina Beach, Ooty hill station, Kanyakumari, Bharatnatyam dance, and South Indian cuisine.

Climate: Tropical climate with hot summers, monsoons, and mild winters.

Best Time to Visit: November to March for comfortable weather.

Festivals: Pongal, Tamil New Year, Thaipusam, Karthigai Deepam

Back to Home

- Input – rajasthan.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Rajasthan - Information</title>

</head>

<body>

  <h1>Welcome to Rajasthan</h1>

  <img
src="https://i.pinimg.com/originals/7e/7c/d3/7e7cd3734fb4e0a89fdd9951974e0a78.png"
alt="Beautiful view of Rajasthan" width="700">

  <p><strong>Capital:</strong> Jaipur</p>

  <p><strong>Largest City:</strong> Jaipur</p>

  <p><strong>Established:</strong> 30 March 1949</p>

  <p><strong>Area:</strong> 342,239 km² (Largest state in India by area)</p>

  <p><strong>Population:</strong> ~80 million (as per 2021 estimates)</p>

  <p><strong>Languages Spoken:</strong> Hindi (official), Rajasthani, Marwari, English</p>

  <p><strong>Famous for:</strong> Thar Desert, Jaipur (Pink City), Udaipur (City of Lakes),
Jaisalmer Fort, Mehrangarh Fort, and Ranthambore National Park.</p>

  <p><strong>Climate:</strong> Hot summers, mild winters, and scarce rainfall.</p>

  <p><strong>Best Time to Visit:</strong> October to March for pleasant weather.</p>

  <p><strong>Festivals:</strong> Pushkar Camel Fair, Desert Festival, Teej, Gangaur</p>

  <p><a href="image_map.html">Back to Home</a></p>

</body>

</html>
```

- Output – rajasthan.html

Welcome to Rajasthan

Capital: Jaipur

Largest City: Jaipur

Established: 30 March 1949

Area: 342,239 km² (Largest state in India by area)

Population: ~80 million (as per 2021 estimates)

Languages Spoken: Hindi (official), Rajasthani, Marwari, English

Famous for: Thar Desert, Jaipur (Pink City), Udaipur (City of Lakes), Jaisalmer Fort, Mehrangarh Fort, and Ranthambore National Park.

Climate: Hot summers, mild winters, and scarce rainfall.

Best Time to Visit: October to March for pleasant weather.

Festivals: Pushkar Camel Fair, Desert Festival, Teej, Gangaur

Back to Home

- Input – gujarat.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Gujarat - Information</title>
</head>
<body>
   <h1>Welcome to Gujarat</h1>
   <img src="https://i.pinimg.com/564x/c7/1e/89/c71e895c2add35a54d2aa9a566df4d3b.jpg" alt="Beautiful view of Gujarat" width="700">
   <p><strong>Capital:</strong> Gandhinagar</p>
   <p><strong>Largest City:</strong> Ahmedabad</p>
   <p><strong>Established:</strong> 1 May 1960</p>
   <p><strong>Area:</strong> 196,024 km²</p>
   <p><strong>Population:</strong> ~63 million (as per 2021 estimates)</p>
   <p><strong>Languages Spoken:</strong> Gujarati (official), Hindi, English</p>
   <p><strong>Famous for:</strong> Gir National Park (Asiatic Lions), Rann of Kutch, Somnath Temple, Dwarka, Sabarmati Ashram, and the Statue of Unity.</p>
   <p><strong>Climate:</strong> Hot and dry summers, moderate monsoons, and mild winters.</p>
   <p><strong>Best Time to Visit:</strong> November to February for comfortable weather.</p>
   <p><strong>Festivals:</strong> Navratri, Rann Utsav, Uttarayan (International Kite Festival)</p>
   <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```
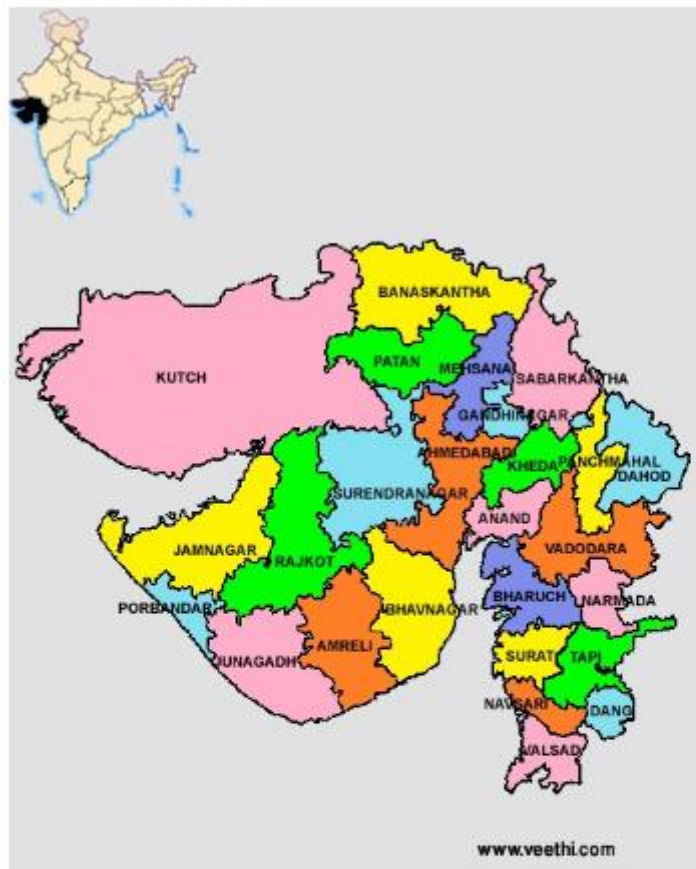
- Output – gujarat.html

Welcome to Gujarat

Capital: Gandhinagar

Largest City: Ahmedabad

Established: 1 May 1960

Area: 196,024 km²

Population: ~63 million (as per 2021 estimates)

Languages Spoken: Gujarati (official), Hindi, English

Famous for: Gir National Park (Asiatic Lions), Rann of Kutch, Somnath Temple, Dwarka, Sabarmati Ashram, and the Statue of Unity.

Climate: Hot and dry summers, moderate monsoons, and mild winters.

Best Time to Visit: November to February for comfortable weather.

Festivals: Navratri, Rann Utsav, Uttarayan (International Kite Festival)

Back to Home

- <u>Input – arunachal_pradesh.html</u>

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Arunachal Pradesh - Information</title>
</head>
<body>
  <h1>Welcome to Arunachal Pradesh</h1>
  <img src="https://www.researchgate.net/publication/342624245/figure/fig1/AS:908746633003012@1593673489610/Figure-no-21-District-map-of-Arunachal-Pradesh-Source.jpg" alt="Beautiful view of Arunachal Pradesh" width="700">
  <p><strong>Capital:</strong> Itanagar</p>
  <p><strong>Established:</strong> 20 February 1987</p>
  <p><strong>Area:</strong> 83,743 km²</p>
  <p><strong>Population:</strong> ~1.6 million (as per 2021 estimates)</p>
  <p><strong>Languages Spoken:</strong> English (official), Nyishi, Apatani, Adi, Monpa</p>
  <p><strong>Famous for:</strong> Tawang Monastery, Ziro Valley, Namdapha National Park, Sela Pass, and rich tribal culture.</p>
  <p><strong>Climate:</strong> Varies from sub-tropical to alpine; heavy rainfall during monsoons.</p>
  <p><strong>Best Time to Visit:</strong> October to April for pleasant weather.</p>
  <p><strong>Festivals:</strong> Losar, Ziro Music Festival, Siang River Festival</p>
  <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```
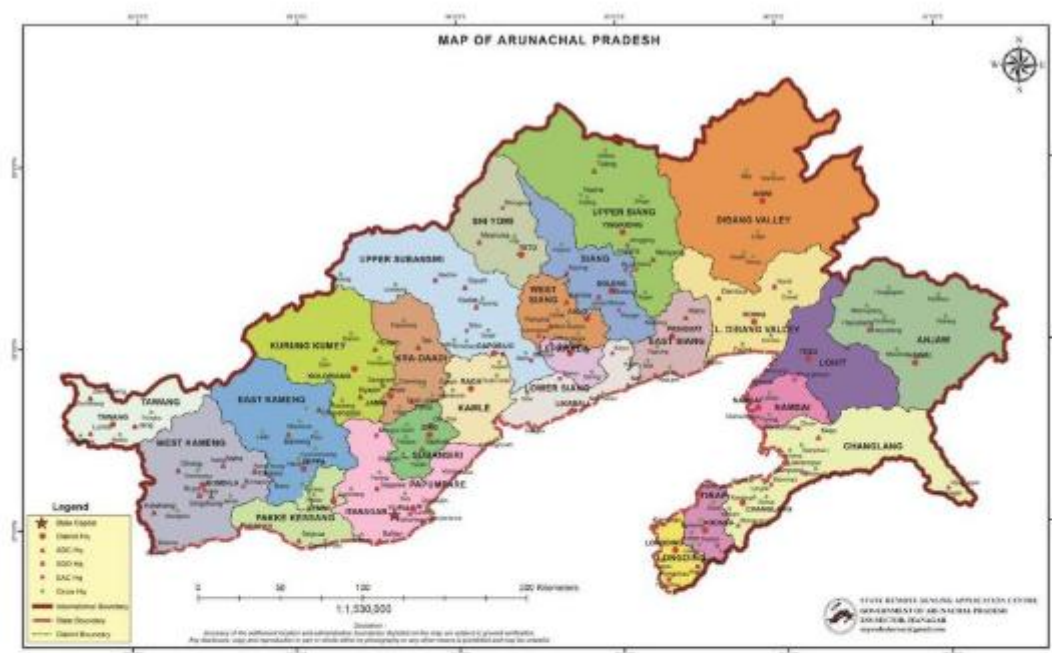
- <u>Output – arunachal_pradesh.html</u>

Welcome to Arunachal Pradesh

Capital: Itanagar

Established: 20 February 1987

Area: 83,743 km²

Population: ~1.6 million (as per 2021 estimates)

Languages Spoken: English (official), Nyishi, Apatani, Adi, Monpa

Famous for: Tawang Monastery, Ziro Valley, Namdapha National Park, Sela Pass, and rich tribal culture.

Climate: Varies from sub-tropical to alpine; heavy rainfall during monsoons.

Best Time to Visit: October to April for pleasant weather.

Festivals: Losar, Ziro Music Festival, Siang River Festival

Back to Home

- Input – madhya_pradesh.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Madhya Pradesh - Information</title>
</head>
<body>
    <h1>Welcome to Madhya Pradesh</h1>
    <img src="https://www.slbcmadhyapradesh.in/images/mp_completed51.gif" alt="Beautiful view of Madhya Pradesh" width="700">
    <p><strong>Capital:</strong> Bhopal</p>
    <p><strong>Established:</strong> 1 November 1956</p>
    <p><strong>Area:</strong> 308,350 km²</p>
    <p><strong>Population:</strong> ~85 million (as per 2021 estimates)</p>
    <p><strong>Languages Spoken:</strong> Hindi (official), Marathi, Bundeli, Malvi</p>
    <p><strong>Famous for:</strong> Khajuraho temples, Sanchi Stupa, Kanha and Bandhavgarh National Parks, Bhimbetka rock shelters.</p>
    <p><strong>Climate:</strong> Hot summers, moderate monsoons, and cool winters.</p>
    <p><strong>Best Time to Visit:</strong> October to March for comfortable weather.</p>
    <p><strong>Festivals:</strong> Lokrang Festival, Tansen Music Festival, Khajuraho Dance Festival</p>
    <p><a href="image_map.html">Back to Home</a></p>
</body>
</html>
```

- <u>Output – madhya_pradesh.html</u>

Welcome to Madhya Pradesh

Capital: Bhopal

Established: 1 November 1956

Area: 308,350 km²

Population: ~85 million (as per 2021 estimates)

Languages Spoken: Hindi (official), Marathi, Bundeli, Malvi

Famous for: Khajuraho temples, Sanchi Stupa, Kanha and Bandhavgarh National Parks, Bhimbetka rock shelters.

Climate: Hot summers, moderate monsoons, and cool winters.

Best Time to Visit: October to March for comfortable weather.

Festivals: Lokrang Festival, Tansen Music Festival, Khajuraho Dance Festival

Back to Home