

TASK-4

4. Add Comments in JSX

- Comment on different parts of your `Header.jsx` explaining what each section does.

Step: 1 Updated **Header.jsx** Component:

```
// src/components/Header.jsx
import React from 'react'; // Import React library to use JSX
import './Header.css'; // Import the CSS file to style the Header component

const Header = () => {
  return (
    <header>
      /* Main container to center content vertically and horizontally */
      <div className="container">

        /* Profile Section (Image and Text) */
        <div className="profile-section">

          /* Profile Image */
          /* The profile image is placed here with specified width and height */
          

          /* Text Section (Name and Tagline) */
          <div className="text-section">
            /* Name displayed as the main heading */
            <h1>Het Dabhi</h1>

            /* Tagline displayed below the name */
            <p>Aspiring Software Engineer</p>

            /* Social Media Links */
            /* LinkedIn and GitHub links */
            <div className="social-links">
              /* LinkedIn Link */
              <a
                href="https://www.linkedin.com/in/yourprofile" // Link to LinkedIn profile
```

```

    target="_blank" // Open the link in a new tab
    rel="noopener noreferrer" // Improve security for links opened in a new tab
    className="social-link linkedin" // CSS class for LinkedIn styling
  >
    LinkedIn
  </a>

  { /* GitHub Link */ }
  <a
    href="https://github.com/yourusername" // Link to GitHub profile
    target="_blank" // Open the link in a new tab
    rel="noopener noreferrer" // Improve security for links opened in a new tab
    className="social-link github" // CSS class for GitHub styling
  >
    GitHub
  </a>
</div>
</div>
</div>

{ /* Navigation Links */ }
{ /* These links navigate to different sections of the portfolio */ }
<nav>
  <ul>
    { /* Link to the About section */ }
    <li><a href="#about">About</a></li>

    { /* Link to the Projects section */ }
    <li><a href="#projects">Projects</a></li>

    { /* Link to the Contact section */ }
    <li><a href="#contact">Contact</a></li>
  </ul>
</nav>
</div>
</header>
);
};

export default Header;

```

Step: 2 Updated **Header.css** with Flexbox Layout and Media Queries:

```
/* src/components/Header.css */

header {
  background-color: #f8f9fa; /* Light background color for the header */
  padding: 20px;
  display: flex;
  align-items: center;
  justify-content: center;
  height: 100vh; /* Full viewport height */
}

.container {
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  text-align: center;
  max-width: 1200px;
  width: 100%;
}

.profile-section {
  display: flex;
  align-items: center;
  justify-content: center;
  flex-direction: column;
  margin-bottom: 30px; /* Space between the profile and navigation */
}

.profile-img {
  border-radius: 50%; /* Makes the profile picture round */
  margin-bottom: 20px; /* Space between the image and text */
}

h1 {
  font-size: 2.5rem;
  margin-bottom: 10px;
}

p {
  font-size: 1.2rem;
  color: #555;
  margin-bottom: 20px;
}

.social-links {
```

```
display: flex;
gap: 15px;
justify-content: center;
}

.social-link {
text-decoration: none;
font-weight: bold;
padding: 10px 20px;
border-radius: 5px;
color: white;
transition: background-color 0.3s ease;
}

.social-link.linkedin {
background-color: #0077b5;
}

.social-link.github {
background-color: #333;
}

.social-link:hover {
opacity: 0.8;
}

nav ul {
list-style: none;
padding: 0;
display: flex;
justify-content: center;
gap: 20px;
margin-top: 20px;
}

nav ul li {
font-size: 1.1rem;
}

nav ul li a {
text-decoration: none;
color: #555;
}

nav ul li a:hover {
color: #0077b5;
}
```

```
/* Media Queries for Responsive Design */
```

```
@media (max-width: 768px) {  
  .container {  
    text-align: center;  
  }  
}
```

```
.profile-section {  
  flex-direction: column;  
  align-items: center;  
}
```

```
.social-links {  
  justify-content: center;  
}
```

```
nav ul {  
  flex-direction: column;  
}
```

Step: 3 Run the App: - (npm run dev)

