Assignment – 13

Summary:

In today's Angular class, we covered essential topics for beginners. The session began with the installation of Node.js and Angular, along with setting up the development environment in VS Code. We delved into the concepts of one-way and two-way binding, demonstrating their usage through practical examples. The class then progressed to exploring the power of Angular 'Ng For' directive, illustrating how to efficiently display data from arrays. Furthermore, we extended our knowledge by incorporating Bootstrap, implementing navigation bars, image cards, and adding dynamic content to these cards. The practical hands-on experience included formatting text in JSON, providing a well-rounded introduction to Angular components and their capabilities.

Practice:

(app.component.ts)

```
// Travel Locations
locations = [
  {
    place: "Golden Gate Bridge",
    image: "golden-gate-bridge",
    description: "Iconic suspension bridge spanning the Golden Gate Strait in San Francisco, offering breathtaking views.",
    rating: 4.7
  },
  {
    place: "Machu Picchu",
    image: "machu-picchu",
    description: "Ancient Incan citadel nestled in the Andes, showcasing stunning architecture and panoramic landscapes.",
    rating: 4.8
  },
  {
    place: "Sydney Opera House",
    image: "sydney-opera-house",
    description: "Architectural marvel on Sydney's harbor, renowned for its distinctive sail-like design and world-class performances.",
    rating: 4.6
  },
  {
    place: "Tokyo Skytree",
    image: "tokyo-skytree",
    description: "Japan's tallest structure, providing unparalleled views of Tokyo and its surroundings from its observation decks.",
    rating: 4.5
  }
]
```

(app.component.html)

```html
<nav class="navbar navbar-expand-lg bg-warning">
    <div class="container-fluid">
        <a class="navbar-brand" href="#">Travel</a>
        <div class="collapse navbar-collapse">
            <ul class="navbar-nav me-auto mb-2 mb-lg-0">
                <li class="nav-item"><a class="nav-link active" aria-current="page" href="#">Home</a></li>
                <li class="nav-item"><a class="nav-link" href="#">Locations</a></li>
                <li class="nav-item"><a class="nav-link" href="#">Contact</a></li>
            </ul>
        </div>
    </div>
</nav>
<!-- Displaying data using for loop -->
<div class="container-fluid p-3">
    <div class="row">
        <div class="col-3" *ngFor="let location of locations">
            <div class="card">
                <img [src]="'./assets/' + location.image + '.jpg'" class="card-img-top" width="200px" height="300px">
                <div class="card-body">
                    <h3 class="card-title">{{location.place}}</h3>
                    <p>{{location.description}}</p>
                    <p>
                        <span class="fw-bold">Rating</span>    {{location.rating}}
                        <span class="bi bi-star-fill"></span>
                    </p>
                </div>
            </div>
        </div>
    </div>
</div>
```

Output: