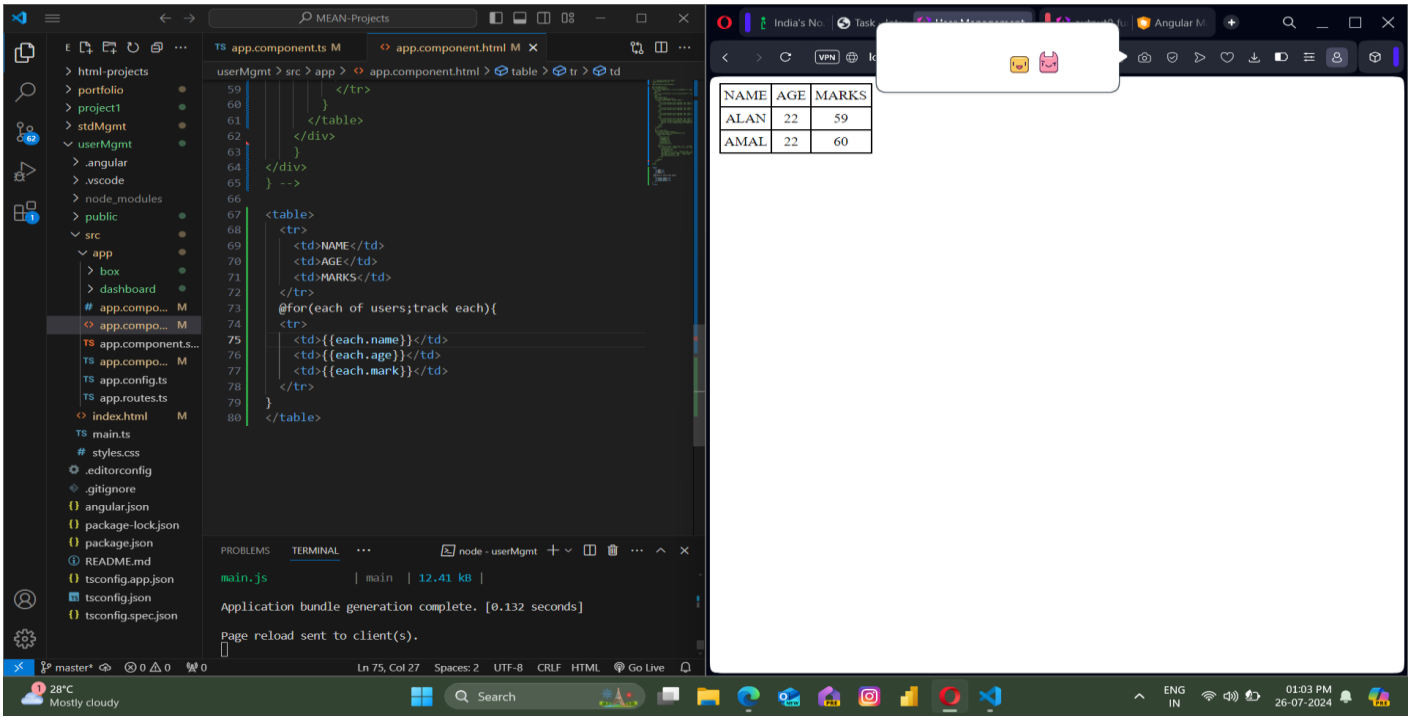
Task 1 - Create a json object of user with name,age and mark and display its value in html.
Task 2 - Create a json array of 5 users with name, age and mark and display in html table using ngFor.
Task 3 - Create a login page and bind user object with user name and password to input fields, on button click display the user details using console log.
Task 4 - Complete the exercise as per demonstrated in the video.
Task 5 - Try using local storage and session storage to makes sure user is logged in even if page is reloaded.
* Task 6 - Filtered User List with ngIf and ngModel
Create a list of users and use ngIf and ngModel to filter the list based on user input.

```
users = [
{ name: 'John', age: 25, mark: 85 },
{ name: 'Jane', age: 22, mark: 90 },
{ name: 'Mike', age: 30, mark: 78 },
{ name: 'Anna', age: 28, mark: 92 },
{ name: 'Chris', age: 26, mark: 88 }
];
```

*Task 7 - Dynamic Classes with ngClass
Apply dynamic classes to the list of users based on their mark change colors .
*Task 8 - Local Storage and JSON Arrays for Favorites.
● Create 2 components for Items List and Favorite List.
● Implement functionality to add and remove items from a favorites list stored in
local storage using a JSON array.
*Task 9- Conditional Rendering and Style Application with ngIf, ngFor, and ngClass,input,output
● Create 2 components for Task List and Completed Task.
● Create a list of tasks with properties like name and completed. Use ngIf to filter and display completed tasks and apply dynamic styles using ngClass.

```
tasks = [
{ name: 'Task 1', completed: false },
{ name: 'Task 2', completed: true },
{ name: 'Task 3', completed: false },
{ name: 'Task 4', completed: true }
];
```



App.component.html

```
@if(!toDisplay){
<app-login (loginEvent)="verifyLogin($event)"></app-login>
}

@if(toDisplay){
<h1>Hello {{currentUser}}</h1>
<table>
  <tr>
    <th>SL.NO</th>
    <th>NAME</th>
    <th>AGE</th>
    <th>MARKS</th>
    <th>PASSWORD</th>
  </tr>
  @for(each of users;track each; let i=$index){
  <tr [ngClass]="{ 'vGood': (each.mark>=90), 'fail': (each.mark < 40) }">
    <td>{{i+1}}</td>
    <td>{{each.name}}</td>
    <td>{{each.age}}</td>
    <td>{{each.mark}}</td>
    <td>{{each.password}}</td>
  </tr>
  }
</table><br>
<table>
  <tr>
    <td>search:</td>
```

```
    <td><input type="text" placeholder="search by name"
[(ngModel)]="searchName"></td>
    <td><button (click)="searchNameInUsers()">go</button></td>
  </tr>
</table>
    @if(displayFilteredTable){
      <table>
        <tr>
          <th>NAME</th>
          <th>AGE</th>
          <th>MARKS</th>
          <th>PASSWORD</th>
        </tr>
        <tr [ngClass]="{ 'vGood': (users[elementFoundIndex].mark>=90), 'fail':
(users[elementFoundIndex].mark< 40) }">
          <td>{{users[elementFoundIndex].name}}</td>
          <td>{{users[elementFoundIndex].age}}</td>
          <td>{{users[elementFoundIndex].mark}}</td>
          <td>{{users[elementFoundIndex].password}}</td>
        </tr>

      </table>
    }
<button (click)="logOut()">LOGOUT</button>

}
```

App.component.ts

```
export class AppComponent {
  users :any = [
    { name: 'Alan', age: 22, mark: 59 ,password: '123'},
    { name: 'Amal', age: 22, mark: 60 ,password: '123'},
    { name: 'John', age: 25, mark: 35 ,password: '123'},
    { name: 'Jane', age: 22, mark: 90 ,password: '123'},
    { name: 'Mike', age: 30, mark: 78 ,password: '123'},
    { name: 'Anna', age: 28, mark: 92 ,password: '123'},
    { name:'Chris', age: 26, mark: 88 ,password: '123'}
  ];
  toDisplay = false;
  curentLogedUser = '';
  currentUser:any = ''; //to display name whenever page reloads
  searchName = '';
  displayFilteredTable = false;
  elementFoundIndex = 0;
```

```
verifyLogin(userData: any){
  let userFound = false;
  console.log(userData);
  for(let i=0; i<this.users.length; i++){
    if(userData.name === this.users[i].name && userData.password ===
this.users[i].password){
      userFound = true;
    }
    }
    if(userFound){
      this.toDisplay = true;
      this.curentLogedUser = userData.name;
      localStorage.setItem('username', this.curentLogedUser);
      }
 }


 constructor(){
  this.currentUser = localStorage.getItem('username');
  if(this.currentUser){
    // console.log(this.currentUser);
    this.toDisplay = true;
  }
}

  logOut(){
    this.toDisplay = false;
    localStorage.removeItem('username');
  }
  searchNameInUsers(){
    let indexFound = false;
    for(let i=0;i<this.users.length;i++){

      if(this.searchName === this.users[i].name){
        indexFound = true;
        this.elementFoundIndex = i;

      }
    }
    if(indexFound){
      this.displayFilteredTable = true;
    }
  }
```

Login.component.html

```
<table>
    <tr style="text-align: right;">
        <td>NAME:</td>
        <td><input type="text" [(ngModel)]="loginData.name"></td>
    </tr>
    <tr>
        <td>PASSWORD:</td>
        <td><input type="password" [(ngModel)]="loginData.password"></td>
    </tr>
    <tr>
        <td></td>
        <td><button (click)="login()">LOGIN</button></td>
    </tr>
</table>
```

Login.component.ts

```
import { Component,Output, EventEmitter } from '@angular/core';
import { FormsModule } from '@angular/forms';

@Component({
  selector: 'app-login',
  standalone: true,
  imports: [FormsModule],
  templateUrl: './login.component.html',
  styleUrl: './login.component.css'
})
export class LoginComponent {
  loginData = { name: '', password: ''};
  @Output() loginEvent = new EventEmitter<any>();

  login(){
    // console.log(this.loginData);
    this.loginEvent.emit(this.loginData);
    this.loginData.name = '';
    this.loginData.password = '';
  }
}
```