8.PIPES

Pipes.component.html:

```html
<h1>Pipes Demo</h1>
<div class="jumbotron">
  <div class="container">
    <h2>Inbuilt Pipes demo</h2>
    <hr />
    <p><b>UPPERCASE DEMO: </b>{{name | uppercase}}</p>
    <hr />
    <p><b>lowercase demo: </b>{{name | lowercase}}</p>
  </div>
</div>
<div class="jumbotron">
  <div class="container">
    <h2>Number Pipes</h2>
    <hr />
    <p><b>pi: </b>{{pi | number:'5.5-5'}}</p>
    <hr />
    <p><b>pi: </b>{{pi | number:'.3-3'}}</p>
    <hr />
    <p><b>pi: </b>{{pi | number:'.10-10'}}</p>
  </div>
</div>
<div class="jumbotron">
  <div class="container">
    <h1>Currency Pipes</h1>
    <hr />
    <p><b>USD : </b>{{a | currency : 'USD':true :'3.3-3'}}</p>
    <hr />
    <p><b>USD : </b>{{a | currency : 'USD':false :'.3-3'}}</p>
    <hr />
    <p><b>EURO : </b>{{b | currency : 'EURO':false}}</p>
    <hr />
    <p><b>EURO : </b>{{b | currency : 'EURO':true}}</p>
    <hr />
    <p><b>INR : </b>{{a | currency : 'INR':true}}</p>
    <hr />
    <p><b>INR : </b>{{a | currency : 'INR':true :'4.4-4'}}</p>
  </div>
</div>
<div class="jumbotron">
  <div class="container">
```

```html
      <h1>Date Pipes</h1>
      <hr />
      <p><b>Today is: </b>{{today}}</p>
      <hr />
      <p><b>Today is: </b>{{today | date}}</p>
      <hr />
      <p><b>Today is: </b>{{today | date: 'dd/MM/yyyy'}}</p>
    </div>
  </div>
  <div class="jumbotron">
    <div class="container">
      <h1>JSON Pipes</h1>
      <hr />
      <p><b>Without JSON Pipe: </b>{{object}}</p>
      <hr />
      <p><b>With JSON Pipe: </b>{{object | json}}</p>
    </div>
  </div>
  <div class="jumbotron" style="background-color: yellow">
    <div class="container">
      <h1>Custom Pipes</h1>
      <p><b>Original String </b>{{cust}}</p>
      <p><b>Custom Pipe : </b>{{cust | changestring:' '}}</p>
      <hr />
      <p><b>Inbuilt & Custom Pipe : </b>{{cust | uppercase| changestring:' '}}</p>
      <hr />
    </div>
  </div>
```

Pipes.component.ts:

```typescript
import { Component, OnInit } from "@angular/core";
@Component({
  selector: "app-pipes",
  templateUrl: "./pipes.component.html",
  styleUrls: ["./pipes.component.css"],
})
export class PipesComponent implements OnInit {
  constructor() {}
  ngOnInit(): void {}
  name: string = "JAVA FULL STACK TRAINING";
```

```
  pi: number = 3.1415927;
  a = 0.12345;
  b = 9876.5432;
  today = new Date();
  object = { name: "Alex", email: "Alex@gmail.com", address: "Mumbai" };
  //custompipes
  cust: string = "Welcome to the world of customPipes";
}
```