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>
```

```html
        <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">
        <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>

```

```html
        </div>
    </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";

}
```
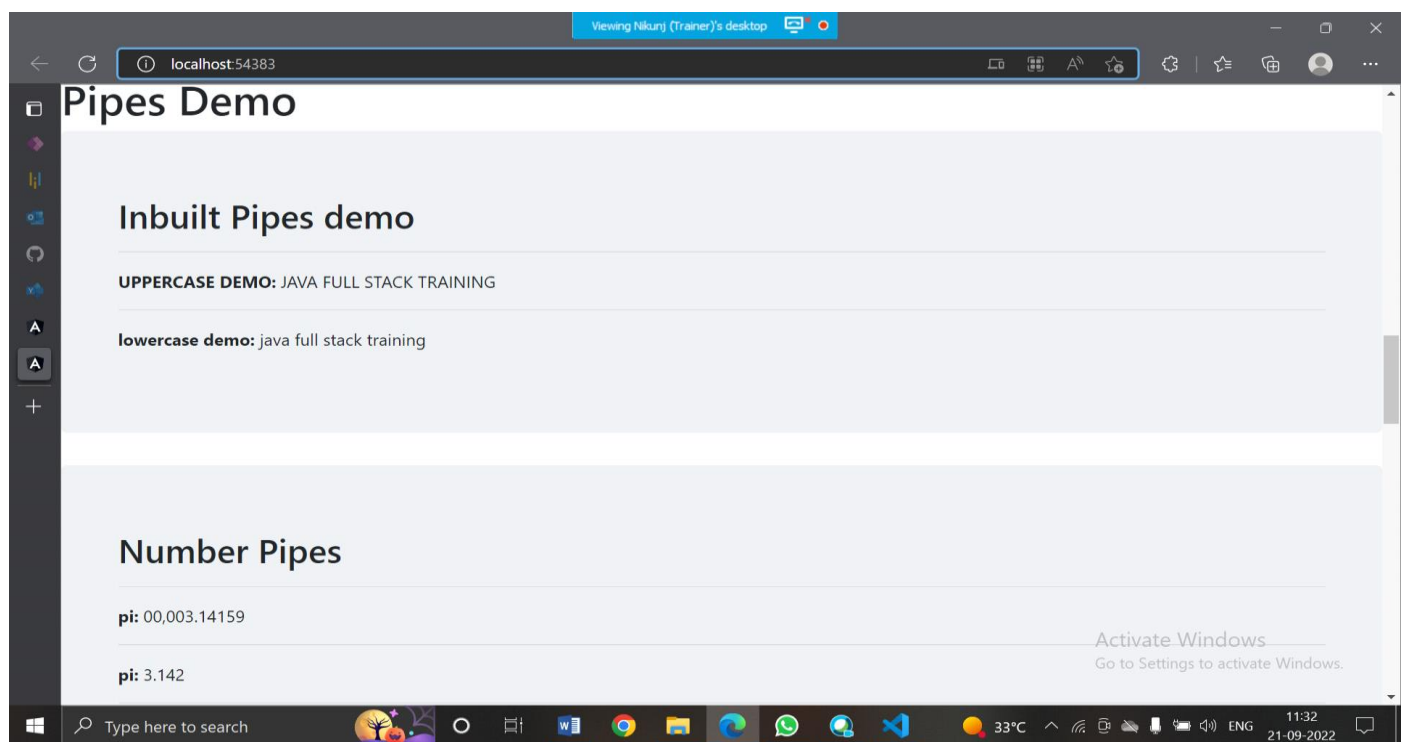
OUTPUT:

Currency Pipes

USD : $000.123

USD : USD0.123

EURO : EURO9,876.54

EURO : EURO9,876.54

INR : ₹0.12

INR : ₹0,000.1235

Date Pipes

Today is: Wed Sep 21 2022 11:31:41 GMT+0530 (India Standard Time)

Today is: Sep 21, 2022

Today is: 21/09/2022

JSON Pipes

Without JSON Pipe: [object Object]

With JSON Pipe: { "name": "Alex", "email": "Alex@gmail.com", "address": "Mumbai" }

JSON Pipes

Without JSON Pipe: [object Object]

With JSON Pipe: { "name": "Alex", "email": "Alex@gmail.com", "address": "Mumbai" }

Custom Pipes

Original String Welcome to the world of customPipes

Custom Pipe : Welcome-to-the-world-of-customPipes

Inbuilt & Custom Pipe : WELCOME-TO-THE-WORLD-OF-CUSTOMPIPES