**ANGULAR Handson Solutions**

**Date:**01-07-2021

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**Angular Handson**

**Session1:**

*Given:*

Template Driven Form - Create a new component for editing employee details

Create a new component with name "edit-emp-template-driven" in "angular-learning" app

2. Include new section in header with title "Edit Employee (Template Driven)"

3. Link component with header using routing

4. In component html Include a form with textbox. Name the textbox as "name".

*Editcomponent.html:*

<strong>Edit Employees</strong>

<br>

<br>

<form><label><strong>Name:</strong><input type="text" name="name1" #name1></label>

    {{name1.value}}

    <br>

    <br></form>

<hr>

 <label>

     <strong>Lname:</strong>

    <input type="text" name="name" [(ngModel)]="employees" #name=ngModel PlaceHolder="Lname" pattern="[a-z]+" minlength="3" maxlength="10">

    {{employees}}

    <div>name.invalid - {{name.invalid}}</div>

    <div>name.touched - {{name.touched}}</div>

    <div>name.dirty - {{name.dirty}}</div>

    <!-- <div>name.errors.required - {{name.errors?.required}}</div> -->

    <div>name.errors.minlength or maxlength - {{name.errors?.minlength | json}}</div>

 </label>

<hr>

<br><br>

<label>

    <strong>Name:</strong>

    <input type="text" name="t1" [(ngModel)]="myname" minlength="2" maxlength="10" #t1=ngModel required="true"><br>

</label>

<span class="c1" \*ngIf="t1.invalid && t1.dirty">Name must be 2 characters long</span>

<br>

<br>

<hr>

<form #empForm="ngForm" (submit)="OnSubmit()">

<div class="block">

    <label>

        <strong>Name:</strong>

        <input type="text" [(ngModel)]="emp.Name" [ngModelOptions]="{standalone: true}">

    </label>

    <br>

    <br>

    <label>

        <strong>Salary:</strong>

        <input type="number" [(ngModel)]="emp.Salary" Pattern="\d+" [ngModelOptions]="{standalone: true}">

    </label>

    <br><br>

    <label>

        <strong>Is Permanent or Not?</strong>

        <input type="radio" name="permanent" [(ngModel)]="emp.Permanent" [value]="true">Yes

        <input type="radio" name="permanent" [(ngModel)]="emp.Permanent" [value]="false">No

    </label>

    <label>

    </label>

    <button type="submit" [disabled]="!empForm.valid">Save</button>

</div>

</form>

<div class="block">

    <strong>Employee Model</strong><br>

    <pre>{{emp | json }}</pre>

</div>

*Editcomponent.Ts:*

import { Component, OnInit } from '@angular/core';

@Component({

  selector: 'app-edit-employee',

  templateUrl: './edit-employee.component.html',

  styleUrls: ['./edit-employee.component.scss']

})

export class EditEmployeeComponent implements OnInit {

  public employees:string;

    public myname:string;

  constructor() {

    this.employees = "";

      this.myname="";

  }

  ngOnInit(): void {

  }

    public emp:employee={Id:1,Name:"John",Salary:10000,Permanent:false, Dept:{Id:1,Name:"Payroll"},skills:[{id:1,Name:"html"},{id:2,Name:"Css"},{id:3,Name:"Javascript"}]};

    public departmentslist:any[]=[{Id:1,Name:"Payroll"},{Id:2,Name:"Internal"},{Id:3,Name:"Hr"}];

    public OnSubmit():void{

      console.log(this.emp);

    }

  }

  class employee{

    public Id:number=0;

    public Name:string="";

    public Salary:number=0;

    public Permanent:boolean=true;

    public Dept:Department={Id:1,Name:"Payroll"};

    public skills:any[]=[{}];

  }

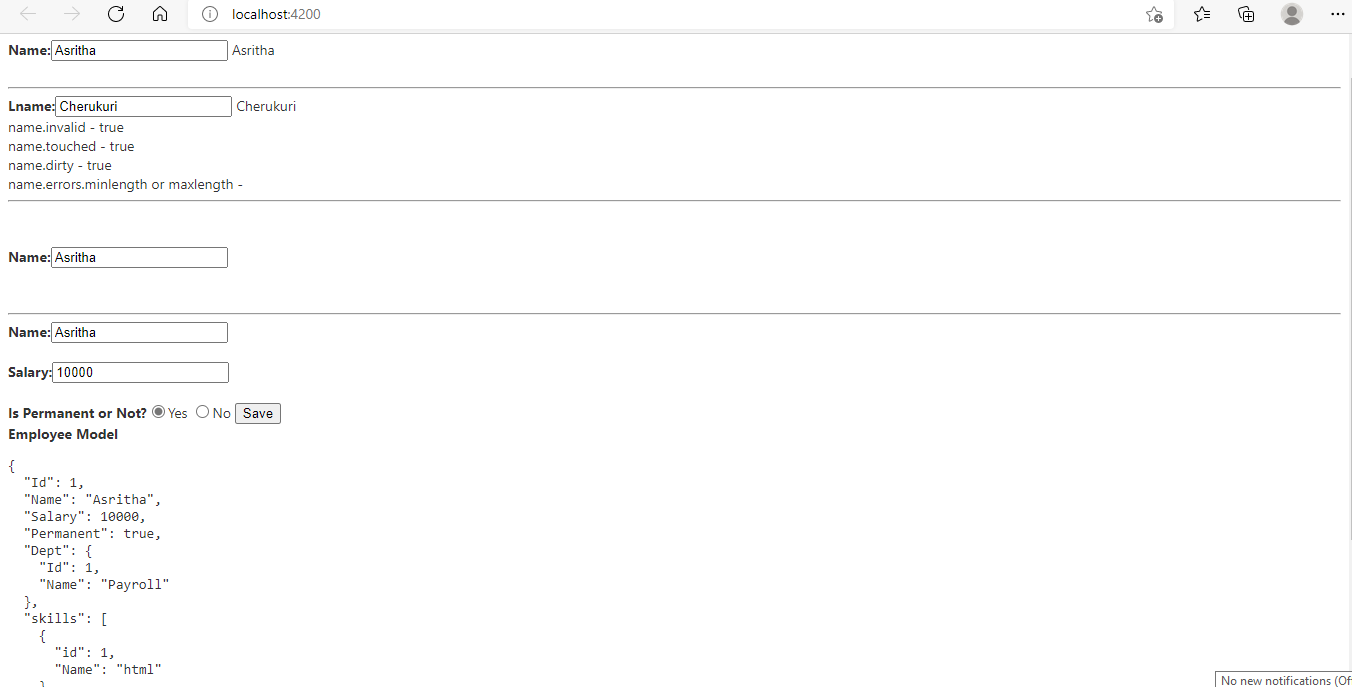
  class Department{

    public Id:number=1;

    public Name:string="";

  }

*Output:*

**

*===================================================================*

**Angular Handson**

**Session2:**

*Given:*

Reactive Form - New Component and Name field inclusion

*editemployee.component.ts:*

import { Component, OnInit } from '@angular/core';

import {FormGroup,FormControl,Validators} from '@angular/forms';

@Component({

  selector: 'app-editemp',

  templateUrl: './editemp.component.html',

  styleUrls: ['./editemp.component.css']

})

export class EditempComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

  public emp:employee={Id:1,Name:"John",Salary:10000,Permanent:false, Dept:{Id:1,Name:"Payroll"},skills:[{id:1,Name:"html"},{id:2,Name:"Css"},{id:3,Name:"Javascript"}]};

  public departmentslist:any[]=[{Id:1,Name:"Payroll"},{Id:2,Name:"Internal"},{Id:3,Name:"Hr"}];

  Name=new FormControl('John');

  public empForm:FormGroup = new FormGroup({

    'name': new FormControl(this.emp.Name, [

    Validators.required,

    Validators.minLength(4),

    Validators.maxLength(20)

    ])

    });

    public deptF:FormGroup = new FormGroup({

      'department': new FormControl("")

      });

}

class employee{

  public Id:number=0;

  public Name:string="";

  public Salary:number=0;

  public Permanent:boolean=true;

  public Dept:Department={Id:1,Name:"Payroll"};

  public skills:any[]=[{}];

}

class Department{

  public Id:number=1;

  public Name:string="";

}

*editemployee.html:*

<h2>Edit Employee </h2>

<label>

    Name: <input type="text" [formControl]="Name">

</label>

<br>

<br>

<div>

    <form [formGroup]="deptF">

        <h3>Department</h3>

        <select formControlName="department">

        <option \*ngFor="let department of departmentslist"

        [ngValue]="department"

        [selected]="department.Id == emp.Dept.Id">

        {{department.Name}}

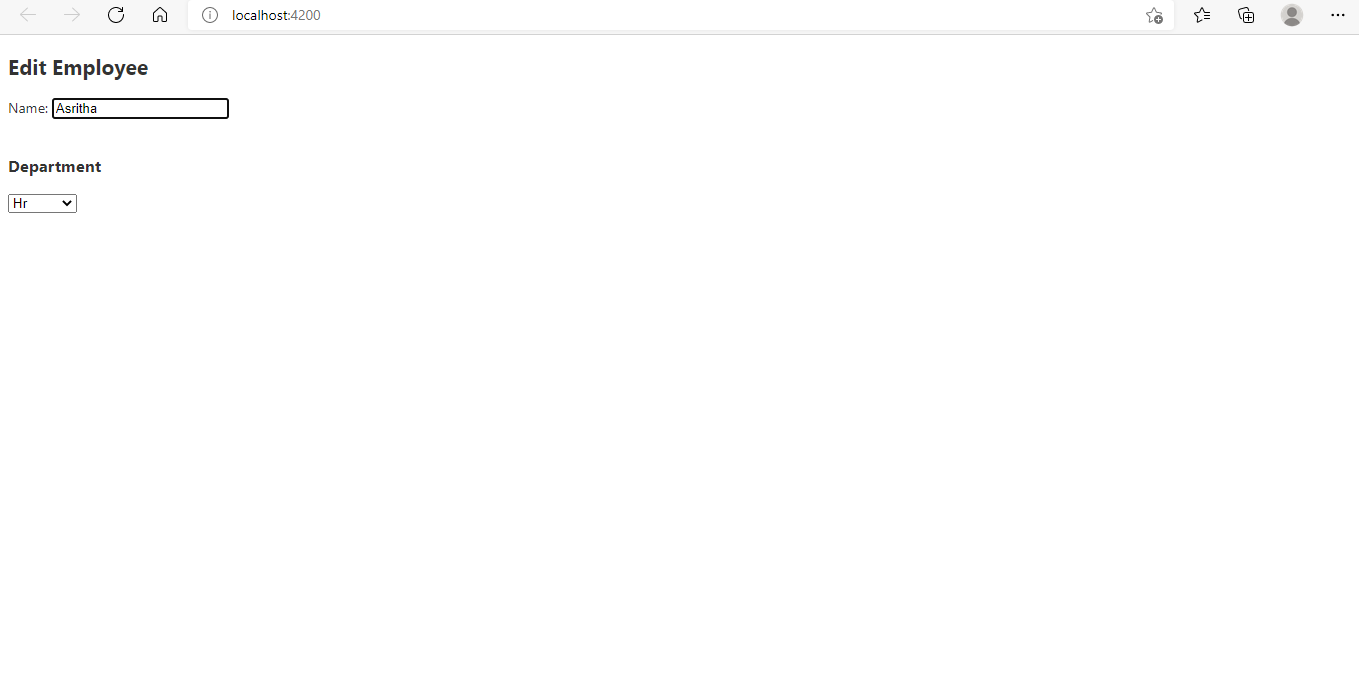
        </option>

        </select>

    </form>

</div>

*Output:*

**