**RIGHT STROKE FULL STACK TRAINING**

**Week-3 Assessment Angular**

1. Develop a Angular Project that show cases One way and two way data binding (Property binding and Event Binding).

**Program:**

**HTML:-**

<div class="c"><h1>ONE WAY BINDING</h1></div>

<div class="b">

<div class="l"> <h2>Click the button to feel PropertyBinding</h2>

</div> <a class="btn btn-primary" [href]="name">Property Binding</a>

</div>

<hr/>

<div class="d">

<div class="l"> <h2>Click the button to feel PropertyBinding</h2>

</div> <button class="btn btn-primary" type="button" (click)="onSubmit()">Event Binding</button>

</div><hr/>

<div class="c"><h1>TWO WAY BINDING</h1></div>

<div class="ce">

<label><b>Enter text</b></label>

<input type="text" [(ngModel)]="text" placeholder="Enter text here">

{{text}}

</div>

**TsFILE:-**

name:string="https://www.google.com/";

ngOnInit(): void {

}

text:string;

onSubmit(){

alert("Hello!!!!");

}

.css

h1{

text-align: center;

background-color:yellowgreen;

}

.l{

text-align:center;float:left; margin-left: 15%;

}

.ce{

text-align: center;

}

**2.Develop a Angular Project that show cases the following Event binding :- a) Text Box’s key entry c) Text Box Key Enter d) Text Area Keyup +Shift +A b) Button on Click.**

**Program:-**

**HTML:-**

<div>

<input (keyup)="onKey($event)" placeholder="Enter Text Here">

<br>

<p>This is box key entry value is {{name}}</p>

</div>

<div>

<input #switch (keyup.enter)="onEnter(switch.value)" placeholder="Enter Text Here">

<br>

<p>This is switch key enter value is {{value}}</p>

</div>

<div>

<input #box (keydown.Shift.A)="onEnterShift(box.value)" placeholder="Enter Text Here">

<br>

<p>This is box keyup+shift+a is {{val}}</p>

</div>

<div>

<h2>Click the button below to feel Event Binding</h2>

<button class="btn btn-warning" type="button" (click)="onSubmit()">Event Binding</button>

</div>

**.Tsfile:-**

name:any='';

onKey(event:any){

this.name=event.target.value;

}

value:any='';

onEnter(value:string){

this.value=value;

}

val:any='';

onEnterShift(key:string){

this.val=key;

}

onSubmit(){

alert("Hello!!!!");

}

3. Develop a Angular project that uses template [reference](https://www.rightstroketraining.com/mod/lesson/view.php?id=20) variable for text box, text area and select drop down control

**Program:-**

**Html:-**

<div class="container">

<div>

<select #select [(ngModel)]="selectedRanger" (change)="log(select.value)">

<option \*ngFor="let ranger of rangers" [value]="ranger.id">{{ranger.rangerName}}</option>

</select>

</div>

<br>

<div>

<button (click)="Str=''">Clear</button>

</div>

{{Str}}

</div>

**.Tsfile:-**

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

@Component({

selector: 'app-select',

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

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

})

export class SelectComponent implements OnInit {

constructor() { }

ngOnInit(): void {

throw new Error('Method not implemented.');

}

selectedRanger:number=0;

public rangers:any=[

{

id:1,

rangerName:'Conner McKnight',

rangerType:'Red Dhino Ranger'

},

{

id:2,

rangerName:'Kira Ford',

rangerType:'Yellow Dhino Ranger'

},

{

id:3,

rangerName:'Ethan James',

rangerType:'Blue Dhino Ranger'

}

];

Str:String=''

log(id:number)

{

for(var r of this.rangers)

{

if(r.id===+id)

{

this.Str=`You have opted ${r.rangerType} `;

}

}

}

}

**4. Develop a Angular Project with one child control. And pass data from parent control (ex app.component.ts) to the child data via property binding.**

**Program:-**

appcomponent.html:

<div class="container p-2">

    <app-sample \*ngFor="let ranger of Rangers" [value1]="ranger.fname"></app-sample>

</div>

appcomponent.ts:

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

@Component({

  selector: 'app-root',

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

  styleUrls: ['./app.component.css']

})

export class AppComponent {

  title = 'creditcard';

  Rangers=[

    {id:1,fname:"RedRanger"},

    {id:2,fname:"BlueRanger"},

    {id:3,fname:"GreenRanger"}

  ];

}

samplecomponent.html:

<p>The selected Ranger is {{value1}}</p>

samplecomponent.ts:

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

@Component({

  selector: 'app-sample',

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

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

})

export class SampleComponent implements OnInit {

  constructor(){}

  @Input()

  public value1:String;

  ngOnInit(): void {

  }

}

**5.** Develop a Angular Project that displays a list of Products details (id, name,description,cost) in a grid format. The solution should be able to display unique identifier for each record, and able to show even and odd record with efficient data update technique.

**Program:-**

**Html file:**

<div class="container mt-5">

    <table class="table">

        <tr>

            <th>ID</th>

            <th>Product</th>

            <th>Description</th>

            <th>Cost</th>

            <th>Even</th>

            <th>Odd</th>

        </tr>

        <tr \*ngFor="let person of persons;even as e;odd as o">

            <td>{{person.Id}}</td>

            <td>{{person.Product}}</td>

            <td>{{person.Description}}</td>

            <td>{{person.Cost}}</td>

            <td>{{e}}</td>

            <td>{{o}}</td>

        </tr>

    </table>

<div class="row">

  <div class="col">

    <input type="number" class="form-control" placeholder="Id" [(ngModel)]="Id">

  </div>

  <div class="col">

    <input type="text" class="form-control" placeholder="Product Name" [(ngModel)]="Product">

  </div>

  <div class="col">

    <input type="text" class="form-control" placeholder="Description" [(ngModel)]="Description">

  </div>

  <div class="col">

    <input type="text" class="form-control" placeholder="Cost" [(ngModel)]="Cost">

  </div>

  <div class="col">

    <button class="btn btn-success btn-block" (click)="add(Id,Product,Description,Cost)">Add</button>

  </div>

</div>

</div>

**.Tsfile:-**

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

@Component({

selector: 'app-grid',

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

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

})

export class GridComponent implements OnInit {

constructor() { }

persons = [

];

Id:number;

Product: String;

Description:String;

Cost:String;

add(Id,Product,Description,Cost){

this.persons.push({

"Id":Id,

"Product": Product,

"Description":Description,

"Cost":Cost

});

// resetting the input field

this.Id = undefined;

this.Product = "";

this.Description="";

this.Cost="";

}

ngOnInit(): void {

}

}

6.Develop a Angular Project that displays a list of countries(ex India.Singapore,USA,UK) in a drop down, based on the selected country we need to display specific contents to the user. If India is selected, the page should display a section asking the user to enter the name and aadhaar number, if US is selected the page should display a section asking the user to enter SSN and Passport number, in case of UK, the user should see the section to enter only the password.

**Program:**

**Html file:**

<div class="container p-20">

<h3>Please select the country:</h3>

<select [(ngModel)]="k">

<option \*ngFor="let cnt of countries" [value]="cnt.Id">{{cnt.Country}}</option>

</select>

</div>

<br>

<div class="container">

<div [ngSwitch]="k">

<div \*ngSwitchCase="1">

<div class="container">

<div>

<label>Enter the name:</label>

<input type="text" class="form-control" placeholder="Username">

</div>

<div>

<label>Enter the Aadhar number:</label>

<input type="text" class="form-control" placeholder="Aadhar">

</div>

</div>

</div>

<div \*ngSwitchCase="2">

<div class="container">

<div>

<label>Enter the SSN number:</label>

<input type="number" class="form-control" placeholder="SSN number">

</div>

<div>

<label>Enter the passport number:</label>

<input type="number" class="form-control" placeholder="Passport number">

</div>

</div>

</div>

<div \*ngSwitchCase="3">

<div class="container">

<div>

<label>Enter the Password:</label>

<input type="password" class="form-control" placeholder="Password">

</div>

</div>

</div>

</div>

**.Tsfile:-**

k:number=0

countries=[

{Id:1,Country:"India"},

{Id:2,Country:"US"},

{Id:3,Country:"UK"},]