

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](#) 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>

```


.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 *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"},]
```