**Commands :**

**//Day 1**

**Creating the new angular project file : ng new application\_name**

**To run the code : ng serve**

**Creating the new component in file : ng g c comp\_name**

1. **Introduction :Creating Variables, Arrays, Array of Objects, etc.**

**(app.component.ts file)**

export class AppComponent {

  title = 'myproj2';

  countryName: string ="India";

  age: number = 23;

  district : any="Hey there";

  company :string[]=["TCS","Infosys","Cogni","TATA"];

companies: any=[{id:1,name:"TCS",location:"Pune",salary:1000},{id:2,name:"STCS",location:"Banglore",salary:2000}];

allcompany: any=[];

  constructor(){

    for(let i=0;i<this.company.length;i++){

        console.log(this.company[i])

    }

    console.log("\n");

    this.company.forEach((ele)=>{

      console.log(ele);

    })

    console.log("\n");

    this.allcompany=this.company;

    this.allcompany.forEach((ele2:any)=>{

        console.log(ele2);

    })

    console.log("\n");

    this.addcompany();

    console.log("\n");

    this.companies.forEach((ele1:any)=>{

      console.log(ele1.id);

      console.log(ele1.name);

    })

    console.log("\n");

    let resultt=this.companies.filter((ele:any)=>ele.location="Pune")

    console.log(resultt);

    console.log("\n");

    let resulttt=this.companies.every((ele:any)=>ele.location="Pune")

    console.log(resulttt);

    console.log("\n");

    // ‘every’ checks if all the values are pune, if true then returns true else false

    let resultttt=this.companies.some((ele:any)=>ele.location="Pune")

    console.log(resultttt);

    console.log("\n");

    // ‘some’ checks if any the values are pune, if true then returns true else false

    // console.log("Constructor Called");

    // console.log(this.countryName);

    // console.log(this.district);

    // this.district=34;

    // console.log(this.district);

    // this.calculate();

    // let result1=this.calculate1(18,19);

    // console.log(result1);

  }

  addcompany(){

    this.allcompany.push("Abc");

    this.allcompany.splice(1,1);

  }

//  constructor(nn1:string="Heeee"){

//     console.log(nn1);

//  }

  calculate(){

    console.log("Good Afternoon");

  }

  calculate1(n1:number,n2:number){

    let result=n1+n2;

    console.log(result);

    return(result);

  }

}

**//Day 2:**

**Interpolation : {{ //code }}**

**Property Binding : [ prop\_name ]=”var\_name used in .ts file”**

**Event Binding: (name\_of\_event)=handler function**

**Pipe : |**

1. **Interpolation ,property binding, event binding:**

**(app.component.ts file)**

export class AppComponent {

  title = 'myproj2';

  countryName: string ="India";

  EnterFirstNamePlaceHolder:string="Enter Name";

  EnterFirst1NamePlaceHolder:string="Enter Username";

  EnterFirst11NamePlaceHolder:string="Enter Password";

  result: number = 34;

  result1: number = 44;

  divbackClass:string ="bg-color";

  ht:number=100;

  wd:number=100;

  isValid:boolean=true;

  constructor(){

    let r=this.show();

  }

  show(){

    let resultt=this.result+this.result1;

    return(resultt);

  }

  }

save(){

    alert("Clicked");

  }

showcollege(college:string){

    alert("College: "+college);

  }

  getdata(event:any){

    let data=event.target.value;

    console.log(event);

    alert(data);

  }

getkeyup(event1:any){

    let data=event1.target.value;

    console.log(event1);

    alert(data);

  }

**HTML code:**

 <h1>{{ countryName }}</h1>

 <h1>{{"Result is:"+ show()}}</h1>

<input type="text" value="" [placeholder]="EnterFirstNamePlaceHolder">

<br>

<div [class]="divbackClass">

  Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut, libero.

</div>

<br>

<input type="text" value="" [placeholder]="EnterFirst1NamePlaceHolder">

<br><br>

<input type="text" value="" [placeholder]="EnterFirst11NamePlaceHolder"><br><br>

<button [disabled]="isValid">Submit</button> <br><br>

<img src="assets\img1.jpg" alt="Image" [height]="ht" [width]="wd">

<button (click)="save()"> Click Here </button>

<br>

<button (click)="showcollege('RIT')">Submit </button><br>

<select (change)="getdata($event)">

  <option value="A">A</option>

  <option value="B">B</option>

  <option value="C">C</option>

</select>

<br>

<input type="text" (keyup)="getkeyup($event)"><br>

<input type="text" (keyup.enter)="getkeyup($event);showcollege('RIT')"><br>

1. **Hiding and showing Image**

**(app.component.ts file)**

export class AppComponent {

title = 'myproj2';

ht:number=300;

wd:number=300;

isVisible:boolean=true;

ShowImage(){

  this.isVisible=true;

}

HideImage(){

  this.isVisible=false;

}

**HTML code**

<img \*ngIf="isVisible" src="assets\img1.jpg" alt="" [height]="ht" [width]="wd">

<button (click)="ToggleImage()" >Toggle\_Image</button>

<button (click)="ShowHideImage()">Show</button>

<button (click)="HideImage()">Hide</button>

1. **Toggle Image**

**(app.component.ts file)**

export class AppComponent {

title = 'myproj2';

ht:number=300;

wd:number=300;

isVisible:boolean=true;

ToggleImage(){

  if(this.isVisible == true){

    this.isVisible=false;}

  else

  this.isVisible=true;} }

**HTML code :**

<img \*ngIf="isVisible" src="assets\img1.jpg" alt="" [height]="ht" [width]="wd">

<button (click)="ToggleImage()" >Toggle\_Image</button>

1. **Displaying data in table format with some specified features**

**(app.component.ts file)**

export class AppComponent {

  title = 'myproj2';

  isVisible:boolean=true;

  student:any=[

    {id:1,name:"yx",color:"red",status:"Approved"},{id:2,name:"dfdg",color:"yellow",status:"Pending"},{id:3,name:"dfgd",color:"blue",status:"Rejected"}

  ];

constructor(){

this.student.forEach((ele:any)=>{

  if(ele.status=="Approved"){

    ele.flag="approve-class";

  }

  else if(ele.status=="Pending"){

    ele.flag="pending-class";

  }

  else{

    ele.flag="reject-class";

  }

})

console.log(this.student)

}

**HTML code:**

<table border="1">

  <thead>

    <th>ID</th>

    <th>Name</th>

    <th>Color</th>

    <th>Status</th>

  </thead>

    <tbody>

      <tr \*ngFor="let ele of student" [class]="ele.flag">

        <td>{{ele.id}}</td>

        <td>{{ele.name | uppercase}}</td>

        <td>{{ele.color}}</td>

        <td>{{ele.status}}</td>

      </tr>

    </tbody>

</table>

**SCSS code :**

.bg-color{

    background-color: red;

}

.approve-class{

background-color: green;

}

.reject-class{

    background-color: red;

}

.pending-class{

    background-color: yellow;

}

1. **Adding row to table**

**(app.component.ts file)**

export class AppComponent {

  title = 'myproj2';

addstudent(){

    this.student.push({id:6,name:"eyx",color:"pink",status:"Approved",flag:'approve-class'});

}

}

**HTML Code**

<button (click)="addstudent()">Add new Student</button>

1. **Deleting a row from table :**

**(app.component.ts file)**

export class AppComponent {

  title = 'form1';

  student:any=[{name:"abc",id:1,class:"TY",clg:"RIT"},{name:"def",id:2,class:"SY",clg:"IIT"},

  {name:"xyz",id:3,class:"TY",clg:"NIT"},{name:"mno",id:4,class:"SY",clg:"PICT"}];

  deleteStudent(index:any){

    this.student.splice(index,1);

  }

}

**HTML Code**

<html>

  <body>

<table border="1">

  <thead>

    <tr>

    <th>Name</th>

    <th>Roll</th>

    <th>Class</th>

    <th>College</th>

    <th>Index</th></tr>

  </thead>

  <tbody>

   <tr \*ngFor="let i of student; let in=index">

    <td>{{i.name}}</td>

    <td>{{i.id}}<td>

      <td>{{i.class}}</td>

    <td>{{i.clg}}</td>

    <!-- <td>i</td> -->

    <td><button (click)="deleteStudent(in)">Delete</button></td>

   </tr>

  </tbody>

</table>

</body>

</html>

1. **Pipes**

**(app.component.ts file)**

export class AppComponent {

  title = 'myproj2';

birthdate=new Date();

}

**HTML code**

{{birthdate}} <br>

{{birthdate | date}} <br>

{{birthdate | date | uppercase}} <br>

{{birthdate | date:'dd:MM:yyyy' | uppercase}} <br>

{{birthdate | date:'dd:MM:yyyy' | uppercase | customPipe}} <br>

**// Day 3**

**Reactive form :**

**Module for making reactive form : ReactiveFormModule. Importing this Module in app.modules.ts file.**

**Classes required for reactive form : FormGroup, FormBuilder, FormControlName,Validators. Importing these classes in app.component.ts file.**

**Services :**

**Command for creating module: ng g m module\_name**

**Command for creating service: ng g s service\_name**

**Command for creating component in a specific module : ng g c module\_name\comp\_name**

1. **Reactive Form :**

**(App.module.ts file)**

import { ReactiveFormsModule } from '@angular/forms';

//Inside @NgModule module

imports: [

    BrowserModule,

    AppRoutingModule,

    ReactiveFormsModule

  ],

**(app.component.ts file)**

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

export class AppComponent {

  title = 'myproj2';

  registerForm:FormGroup;

  isVisible:boolean=true;

constructor(private fb:FormBuilder){

}

ngOnInit(){

  this.registerForm=this.fb.group({

    firstName:["",[Validators.required,Validators.minLength(3)]],

    lastName:["",[Validators.required,Validators.minLength(3)]],

    age:["",Validators.required]

  })

}

onSubmitClick(){

  console.log(this.registerForm.value);

  let fName=this.registerForm.get('firstName').value;

  let lName=this.registerForm.get('lastName').value;

  let ag=this.registerForm.get('age').value;

  console.log("First Name:"+fName+"  Last Name:"+lName+"  Age:"+ag);

}

onClearClick(){

  this.registerForm.reset();

}

}

**HTML code**

<html>

  <body>

    <form [formGroup]="registerForm">

      <div>

        <label for="">First Name</label>

        <input type="text" formControlName="firstName">

<span \*ngIf="registerForm.get('firstName').valid">Minimum three Char</span>

        <!-- <span \*ngIf="registerForm.get('firstName').invalid">Minimum three Char</span> -->

      </div><br>

      <div>

        <label for="">Last Name</label>

        <input type="text" formControlName="lastName">

      </div><br>

      <div>

        <label for="">Age</label>

        <input type="number" formControlName="age">

      </div><br>

      <button (click)="onSubmitClick()" [disabled]="!registerForm.valid">Submit</button>

      <button (click)="onClearClick()">Clear</button>

    </form>

  </body>

</html>

1. **Services :**

**(app.modules.ts file)**

import { ReactiveFormsModule } from '@angular/forms';

imports: [

    BrowserModule,

    AppRoutingModule,

    ReactiveFormsModule,

  ],

**(demo.service file)**

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

@Injectable({

  providedIn: 'root'

})

export class DemoService {

  constructor() { }

  getData(){

    let studentInfo=[{id:1,name:"abc",class:"sddfg"},{id:2,name:"abgghc",class:"sddfgfhg"},{id:3,name:"abgfc",class:"sdgggdfg"}];

    return studentInfo;

  }

}

**(app.component.ts file)**

import {DemoService} from '../app/demo.service';

export class AppComponent {

  title = 'myproj2';

studentData:any=[];

  constructor(private demoObj:DemoService){

  }

  ngOnInit(){

    let result=this.demoObj.getData();

    this.studentData=result;

    console.log(result);

  }

}

**HTML code**

<html>

  <body>

    <table border="1">

      <thead>

<tr>

  <th>ID</th>

  <th>Name</th>

<th>Class</th>

</tr>

      </thead>

      <tbody>

        <tr \*ngFor="let ele of studentData" >

        <td>{{ele.id}}</td>

        <td>{{ele.name}}</td>

        <td>{{ele.class}}</td>

        </tr>

      </tbody>

    </table>

  </body>

</html>

1. **http service**

**(app.modules.ts file)**

import {HttpClientModule} from '@angular/common/http';

@NgModule({

  imports: [

    BrowserModule,

    AppRoutingModule,

    HttpClientModule

  ],

**(post.service.ts file)**

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

import {HttpClient} from '@angular/common/http'

@Injectable({

  providedIn: 'root'

})

export class PostService {

  constructor(private httpCli: HttpClient) {

   }

   getAllPosts(){

    return this.httpCli.get("https://jsonplaceholder.typicode.com/posts");

   }

}

**(app.component.ts file)**

import {PostService} from '../app/post.service';

export class AppComponent {

  title = 'myproj2';

  allpostData:any=[];

  constructor(private postService : PostService){

  }

  ngOnInit(){

    this.postService.getAllPosts().subscribe((res:any)=>{

      console.log(res);

      this.allpostData=res;

    });

  }

**HTML code**

<html>

  <body>

    <table border="1">

      <thead>

<tr>

  <th>Sr. no</th>

  <th>ID</th>

<th>Title</th>

<th>Description</th>

</tr>

      </thead>

      <tbody>

        <tr \*ngFor="let ele of allpostData" >

        <td>{{ele.userId}}</td>

        <td>{{ele.id}}</td>

        <td>{{ele.title}}</td>

        <td>{{ele.body}}</td>

        </tr>

      </tbody>

    </table>

  </body>

</html>

1. **Routing :**

**(app.modules.ts file)**

import { HomeComponent } from './home/home.component';

import { LoginComponent } from './login/login.component';

import { AboutUsComponent } from './about-us/about-us.component';

import { ContactUsComponent } from './contact-us/contact-us.component';

import { PagenotfoundComponent } from './pagenotfound/pagenotfound.component';

@NgModule({

  declarations: [

    AppComponent,

    HomeComponent,

    LoginComponent,

    AboutUsComponent,

    ContactUsComponent,

    PagenotfoundComponent

  ],

**app-routing.module.ts file**

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

import { RouterModule, Routes } from '@angular/router';

import { AboutUsComponent } from './about-us/about-us.component';

import { ContactUsComponent } from './contact-us/contact-us.component';

import { HomeComponent } from './home/home.component';

import { LoginComponent } from './login/login.component';

import { PagenotfoundComponent } from './pagenotfound/pagenotfound.component';

const routes: Routes = [

  {path:"home",component:HomeComponent},

  {path:"login",component:LoginComponent},

  {path:"about",component:AboutUsComponent},

  {path:"contact",component:ContactUsComponent},

  {path:"\*\*",component:PagenotfoundComponent}

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

[**home.components.html**](http://home.components.html) **file**

<h1>Home Page</h1>

[**login.components.html**](http://home.components.html) **file**

<h1>login works!</h1>

[**about-us.components.html**](http://home.components.html) **file**

<h1>About Page</h1>

[**contact-us.components.html**](http://home.components.html) **file**

<h1>contact-us works!</h1>

[**pagenotfound.components.html**](http://home.components.html) **file**

<h1>pagenotfound works!</h1>

**HTML Code**

<a routerLink="home">Home</a><br>

<a routerLink="login">Login</a><br>

<a routerLink="about">About-Us</a><br>

<a routerLink="contact">Contact-Us</a><br>

<router-outlet></router-outlet>

**# Practice**

1. **Creating a reactive form with the components like, radio buttons, check-box, input box, buttons, dropdown, etc. Putting validators, fetching and displaying the entered data.**

**Note :**

1. **import ReactiveForms module**

import {ReactiveFormsModule} from '@angular/forms';

**in app.modules.ts file. Also metion the name in import section of this file.**

imports: [

    BrowserModule,

    AppRoutingModule,

    ReactiveFormsModule

  ],

1. **Import the components in (app.components.ts file)**

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

**HTML code**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Document</title>

</head>

<body>

<form [formGroup]="registerForm">

  <h3>First Name:</h3>

<input type="text" formControlName="firstName" ><br>

<span class="ltname" style="color:red" \*ngIf="registerForm.get('firstName').invalid">Field shouldn't be empty </span>

<h3>Last Name:</h3>

<input type="text" formControlName="lastName"> <br>

<span class="ltname" style="color:red" \*ngIf="registerForm.get('lastName').invalid">Field shouldn't be empty</span>

<h3>Gender:</h3>

<div \*ngFor="let ele of gender">

<input type="radio" value="{{ele}}" name="gen" (change)="radioChangeHandler($event)">

{{ele}}

</div>

<h3>State:</h3>

<select (change)="dropdownChangeHandler($event)">

  <option value="Maharashtra">Maharashtra</option>

  <option value="Gujarat">Gujarat</option>

  <option value="Rajasthan">Rajasthan</option>

</select>

<h3>Language known:</h3>

<div \*ngFor="let item of courselist; let i=index">

<input type="checkbox" value="{{item.id}}" name="{{item.name}}" [checked]="item.isSelected" (change)="getdata($event,i)" >{{item.name}}

</div>

<br><br>

<button (click)="display()" [disabled]="!registerForm.valid" id="submit">Submit</button>

<button (click)="resetAll()">Clear</button>  <br> <br><br>

<h1>Result: </h1>

<b>{{"First Name : "+firstName}}</b> <br> <br>

<b>{{"Last Name : "+lastName}} </b><br>

<p><b><span>Gender :</span>{{selectedGender1}}</b></p>

<b>{{"State :"+selectState1 }}</b>

 <br> <br>

<b>{{"Languages Known :"+choosenCourses}}</b>

</form>

 </body>

</html>

**(App.component.ts file)**

export class AppComponent {

  title = 'form1';

  registerForm :FormGroup;

  gender:any=['Male','Female'];

  selectedGender:string='No Answer Yet';

  selectedGender1:string='No Answer Yet';

  selectState:string="No Answer Yet";

  selectState1:string="No Answer Yet";

  firstName:string="No Answer Yet";

  lastName:string="No Answer Yet";

  isSelected:boolean;

  courselist:any=[{id:0,name:"C",isSelected:false},{id:1,name:"C++",isSelected:false},{id:2,name:"Java",isSelected:false}];

  choosenCourses:any=[];

  id1:number;

  isChecked1:any;

  name1:any;

getdata(event3:any,index:any){

  console.log(event3.target.checked);

  if(event3.target.checked===true){

    this.choosenCourses.push(event3.target.name);

  }

  else{

    this.choosenCourses.splice(event3.target.value,1);

  } }

  constructor(private fb:FormBuilder){

  }

radioChangeHandler(event1:any){

  this.selectedGender=event1.target.value;

}

dropdownChangeHandler(event2:any){

  this.selectState=event2.target.value;

}

resetAll(){

  this.registerForm.reset();

  this.choosenCourses=[];

}

  ngOnInit(){

    this.registerForm=this.fb.group({

      firstName:["",Validators.required],

      lastName:["",Validators.required],

    })

}

  display(){

    this.firstName=this.registerForm.get('firstName').value;

    this.lastName=this.registerForm.get('lastName').value;

    this.selectedGender1=this.selectedGender;

    this. selectState1=this.selectState;

}}

1. **Taking the data from user and adding it into the table,deleting and validating it.**

**HTML code**

<form [formGroup]="CollegeInfo">

  <label for="name">Name :</label>

  <input type="text" id="firstName" formControlName="Name"><br>

  <span class="Color" \*ngIf="CollegeInfo.get('Name').invalid">\*Required to fill the field</span><br> <br>

  <label for="prn">PRN :</label>

  <input type="text" id="lastName"  formControlName="Prn"><br>

  <span class="Color" \*ngIf="CollegeInfo.get('Prn').invalid">\*Required to fill the field</span><br> <br>

  <label for="class">Class :</label>

  <input type="text" id="class" formControlName="Class"><br>

  <span class="Color" \*ngIf="CollegeInfo.get('Class').invalid">\*Required to fill the field</span><br> <br>

  <label for="dropdown">Enter State :</label>

  <select name="" id="dropdown" (change)="selectedValue($event)">

    <option value="Maharashtra">Maharashtra</option>

    <option value="Gujarat">Gujarat</option>

    <option value="Punjab">Punjab</option>

    <option value="Rajasthan">Rajasthan</option>

  </select>

  <br><br>

  <label for="gender">Gender :</label>

  <input type="radio" name="gender" value="Male" (change)="radioButtonSelected($event)">Male

  <input type="radio" name="gender" value="Female" (change)="radioButtonSelected($event)">Female

  <br><br>

  <button (click)="addData()" [disabled]="!CollegeInfo.valid">Add Student</button><br><br>

   <button (click)="resetAll()">Clear</button>

  <br><br><br>

  <table border="1">

    <thead>

      <tr>

        <th>Name</th>

        <th>PRN</th>

        <th>Class</th>

        <th>State</th>

        <th>Gender</th>

      </tr>

    </thead>

    <tbody>

        <tr \*ngFor="let item of student; let i=index" [class]="item.flag" >

          <td>{{item.name}}</td>

          <td>{{item.id}}</td>

          <td>{{item.class}}</td>

          <td>{{item.state}}</td>

          <td>{{item.gender}}</td>

          <td><button (click)="deleteStudent(i)">Delete Student</button></td>

        </tr>

    </tbody>

  </table>

</form>

**(App.component.ts file)**

export class AppComponent {

  title = 'form1';

//Taking data from user and adding it into table rows

CollegeInfo:FormGroup;

student:any=[];

selectedVal:any;

radioButtonSelectedVal:any;

constructor(private fb:FormBuilder){

      this.student.forEach((ele:any)=>{

        if(ele.class=="FY"){

          ele.flag=="fy\_class";

        }

        else if(ele.class=="FY"){

          ele.flag=="fy\_class";

        }

        else if(ele.class=="SY"){

          ele.flag="sy\_class";

        }

        else if(ele.class=="TY")

        ele.flag="ty\_class";

        else

        ele.flag="btech\_class";

      })

}

ngOnInit(){

  this.CollegeInfo=this.fb.group({

    Name:["",Validators.required],

    Prn:["",Validators.required],

    Class:["",Validators.required]

  })

}

addData(){

  this.student.push({name:this.CollegeInfo.get('Name').value,id:this.CollegeInfo.get('Prn').value,class:this.collCollegeInfo.get('Class').value,state:this.selectedVal,gender:this.radioButtonSelectedVal})

  this.student.forEach((ele:any)=>{

    if(ele.class=="FY"){

      console.log(ele.class)

      ele.flag="fy\_class";

    }

    else if(ele.class=="SY"){

      ele.flag="sy\_class";

    }

    else if(ele.class=="TY")

    ele.flag="ty\_class";

    else

    ele.flag="btech\_class";

  })

}

selectedValue(val:any){

  this.selectedVal=val.target.value;

  console.log(this.selectedVal);

}

radioButtonSelected(event:any){

  this.radioButtonSelectedVal=event.target.value;

  console.log(this.radioButtonSelectedVal);

}

resetAll(){

  this.CollegeInfo.reset();

}

deleteStudent(index:any){

    this.student.splice(index,1);

}

}

1. **Simple Form.**

**HTML form**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="style.css">

    <title>Document</title>

</head>

<body bgcolor="aqua">

    <h1>Student Registration Form</h1>

    <div class="container">

        <form class="form1">

<br>

            <label for="firstName" class="labels"> <b> First Name </label>

            <input type="text" id="firstName" class="textbox">

<br><br>

            <label for="lastName" class="labels">Last Name</label>

            <input type="text" id="lastName" class="textbox">

<br><br>

            <label for="college" class="labels">Date</label>

            <input type="date" id="college" class="textbox">

<br><br>

            <label for="class" class="labels">Class Name</label>

            <input type="text" id="class" class="textbox">

<br><br>

            <label for="hobby" class="labels">Student Hobby </label>

            <select name="" id="hobby" class="textbox">

                <option value="">Reading</option>

                <option value="">Writing</option>

                <option value="">Playing</option>

            </select>

<br><br>

            <label for="Email" class="labels">Email Address</label>

            <input type="email" id="Email"class="textbox">

<br><br>

            <label for="mobile" class="labels">Mobile Number</label>

            <input type="number" id="mobile" class="textbox">

<br><br>

            <label for="state" class="labels">Select State</label>

            <select name="" id="state" class="textbox">

                <option value="Maharashtra">Maharashtra</option>

                <option value="Rajasthan">Rajasthan</option>

                <option value="Punjab">Punjab</option>

                <option value="Gujarat">Gujarat</option>

            </select>

<br><br>

            <div class="radio">

            <label for="gender" class="labels">Gender :</label><br>

            <input type="radio" name="Male" id="male" class="member"> <b> Male</b> <br>

            <input type="radio" name="Male" id="female" class="member"><b> Female</b>

        </div>

<br><br>

            <label for="family" class="labels">Members in Family </b></label><br><br>

            <div class="check">

            <input type="checkbox" id="mem1" class="member"><b>  Mother</b> <br>

            <input type="checkbox" id="mem2" class="member"><b> Father </b><br>

            <input type="checkbox" id="mem3" class="member"><b> Sister</b> <br>

            <input type="checkbox" id="mem3" class="member"><b> brother </b><br>

<br><br>

            <label for="address" class="labels" ><b> Address </b></label>

            <input type="text" id="address" class="textbox">

        </div>

        </form>

        <button> <b> Submit </b></button>

    </div>

</body>

</html>

**CSS file**

h1{

    position:absolute;

    left:40%;

    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;

    font-size: 40px;

    color:green;

}

.container{

    position:absolute;

    top:12%;

    left:35%;

    width:600px;

    height:95%;

    border-radius: 10%;

    border: 1px solid;

    background-color: rgb(230, 247, 46);

}

.textbox{

    position:absolute;

    left:45%;

}

.labels{

    position: absolute;

    left:10%;

    font-family:'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;

    color: blueviolet;

}

checkbox{

    color: red;

}

.member{

    position: absolute;

    left:40%;

}

.check b{

    position: absolute;

    left:45%;

    color: blueviolet;

    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;

}

.radio b{

    position: absolute;

    left:45%;

    color: blueviolet;

    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;

}

button{

    position:absolute;

    width:100px;

    height:45px;

    left:40%;

    top:90%;

    background-color: green;

    color:white;

    border-radius: 15%;

}

#address{

    width:230px;

    height:70px;

}