

Step 01: Create a class named faculty using following command
ng generate class faculty

Step 02: create a fields in faculty.ts file using following code
name:string = "";
age:string = "";

Step 03: Create an array of created class in the ts file using following code
faculties:Faculty[] = []

Step 04: Design a form in html file

Step 05: Load ReactiveFormsModule in imports array in app.module.ts file

Step 06: Create a FormGroup in ts file using following code
myForm = new FormGroup({
 name: new FormControl(""),
 age: new FormControl("")
});

Step 07: Connect FormGroup and FormControl in HTML using following code

```
<form [formGroup]="myForm">  
  <table>  
    <tr>  
      <td>Enter Name</td>  
      <td>:</td>  
      <td><input type="text" formControlName="name" /></td>
```

```

    </tr>
    <tr>
        <td>Enter Age</td>
        <td>:</td>
        <td><input type="text" formControlName="age" /></td>
    </tr>
    <tr>
        <td colspan="3">
            <input type="submit" value="Add Faculty"/>
        </td>
    </tr>
</table>
</form>

```

Step 08: Create a insert method in ts file using following code.

```

insert(){
    this.faculties.push(<Faculty>this.myForm.value);
}

```

Step 09: Call insert method when form is submitted in HTML file using (ngSubmit) event binding

Step 10: Create a delete column in HTML file and call delete method

Step 11: Create a delete method with id as argument and pass id from HTML

Step 12: Delete element with specific index using splice method of array

Step 13: Create a variable called idToEdit and initialize it with -1

Step 14: Create an edit column in HTML and call setValueToEdit method with id

Step 15: in setValueToEdit method in ts file set variable idToEdit to id passed in the method and set the values of controls in the form

Step 16: Create a new button in form and use conditional rendering to display only one depending on idToEdit value

Step 17: update insert method to change the value of specific index when edit is clicked.