

Exp-2

form.html

```
<h1>Student Registration Form</h1>
<form>
  <input type="text" placeholder="Enter Students name" /><br>
  <input type="text" placeholder="Enter Students roll number" /><br>
  <input type="text" placeholder="Enter Students branch" /><br>
  <input type="text" placeholder="Enter Students section" /><br>
  <button type="submit">Submit</button>
</form>
```

home.html

```
<h1>Faculty Registration Form</h1>
<form>
  <input type="text" placeholder="Enter Faculty name" /><br>
  <input type="text" placeholder="Enter Faculty roll number" /><br>
  <input type="text" placeholder="Enter Faculty branch" /><br>
  <button type="submit">Submit</button>
</form>
```

app.html

```
<h1>Welcome to Registration</h1>
<app-form></app-form>
<app-home></app-home>
```

app.ts

```
import { Component } from '@angular/core';
import { Form } from "../form/form";
import { Home } from "../home/home";

@Component({
  selector: 'app-root',
  imports: [Form, Home],
  templateUrl: './app.html',
  styleUrls: ['./app.css']
})
export class App {
  protected title = 'exp2';
}
```

Exp-3

faculty.html

```
<form>
  <input type="text" [(ngModel)]="name" name="name" placeholder="Enter your
name" /><br>
  <input type="text" [(ngModel)]="department" name="department"
placeholder="Enter your department" /><br>
  <input type="text" [(ngModel)]="experience" name="experience"
placeholder="Enter your experience" /><br>
  <button (click)="registerFaculty()">Register</button>
</form>
<div *ngIf="submitted">
  <p>Faculty Registered Successfully! Name: {{ name }}, Department:
{{ department }}, Experience: {{ experience }} years</p>
</div>
```

faculty.ts

```
import { CommonModule } from '@angular/common';
import { Component } from '@angular/core';
import { FormsModule } from '@angular/forms';
@Component({
  selector: 'app-faculty',
  imports: [CommonModule,FormsModule],
  templateUrl: './faculty.html',
  styleUrls: ['./faculty.css']
})
export class Faculty {
  submitted=false;
  name="";
  department="";
  experience="";
  registerFaculty(){
    this.submitted=true;
  }
}
```

student.html

```
<form>
```

```

    <input type="text" [(ngModel)]="name" name="name" placeholder="Enter your
name" /><br>
    <input type="text" [(ngModel)]="department" name="department"
placeholder="Enter your department" /><br>
    <input type="text" [(ngModel)]="section" name="section" placeholder="Enter
your section" /><br>
    <button (click)="registerStudent()">Register</button>
</form>
<div *ngIf="submitted">
    <p>Student Registered Successfully! Name: {{ name }}, Department:
{{ department }}, Section: {{ section }}</p>
</div>

```

student.ts

```

import { Component } from '@angular/core';
import { CommonModule } from '@angular/common';
import { FormsModule } from '@angular/forms';
@Component({
  selector: 'app-student',
  imports: [CommonModule, FormsModule],
  templateUrl: './student.html',
  styleUrls: ['./student.css']
})
export class Student {
  submitted=false;
  name="";
  department="";
  section="";
  registerStudent(){
    this.submitted=true;
  }
}

```

app..html

```

<h2>Student Registration Form</h2>
<app-student></app-student>
<h2>Faculty Registration Form</h2>
<app-faculty></app-faculty>

```

app.ts

```

import { Component } from '@angular/core';
import { Faculty } from './faculty/faculty';
import { Student } from './student/student';
@Component({
  selector: 'app-root',
  imports: [Faculty, Student],
  templateUrl: './app.html',
  styleUrls: ['./app.css']
})
export class App {
  protected title = 'exp3_1';
}

```

Exp-4

about..html

```

<h1>About Us</h1>
<p>This is my first project</p>

```

home..html

```

<h1>Home</h1>
<p>This is home page</p>

```

app.routes.ts

```

import { Routes } from '@angular/router';
import { Home } from './home/home';
import { About } from './about/about';
export const routes: Routes =
[ {path: "", component: Home}, {path: 'about', component: About} ];

```

app.ts

```

import { Component } from '@angular/core';
import { RouterOutlet, RouterLink } from '@angular/router';
@Component({
  selector: 'app-root',
  imports: [RouterOutlet, RouterLink],
  templateUrl: './app.html',
  styleUrls: ['./app.css']
})

```

```

  })
  export class App {
    protected title = 'exp4';
  }

```

app.html

```

<h1>Routing Example</h1>
<nav>
  <a routerLink="">Home</a> <br>
  <a routerLink="about">About</a>
</nav>
<router-outlet></router-outlet>

```

Exp-5

users.html

```

<table>
  <thead><tr><th>Name</th>
  <th>Roll Number</th>
  <th>Branch</th>
  <th>CGPA</th></tr></thead>
  <tbody>
    <tr *ngFor="let user of users">
      <td>{{ user.name }}</td>
      <td>{{ user.rollnumber }}</td>
      <td>{{ user.branch }}</td>
      <td>{{ user.cgpa }}</td>
    </tr></tbody>
</table>

```

users.ts

```

import { NgFor } from '@angular/common';
import { Component } from '@angular/core';
@Component({
  selector: 'app-users',
  imports: [NgFor],
  templateUrl: './users.html',

```

```

    styleUrls: ['./users.css']
  })
  export class Users {
    users=[{ name:"Nitin",rollnumber:1,branch:"CSE",cgpa:8.2},{ name:"Madhan",roll
number:2,branch:"CSD",cgpa:8.2}]
  }

```

app.ts

```

import { Component } from '@angular/core';
import { RouterOutlet } from '@angular/router';
import { Users } from './users/users';
@Component({
  selector: 'app-root',
  imports: [Users],
  templateUrl: './app.html',
  styleUrls: ['./app.css']
})
export class App {
  protected title = 'exp5';
}

```

app.html

```

<h1>Students Directory</h1>
<app-users></app-users>

```

Exp6

myservice.ts-----

```

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

@Injectable({
  providedIn: 'root'
})
export class MyService {
  private data: string[] = [];

  getData(): string[] {
    return this.data;
  }
}

```

```

    addData(newData: string) {
      this.data.push(newData);
    }
  }
}

```

```

app.ts-----
import { Component } from '@angular/core';
import { FormsModule } from '@angular/forms';

```



```

import { CommonModule } from '@angular/common'; // Import CommonModule
import { MyService } from './my-service';

```

```

@Component({
  selector: 'app-root',
  standalone: true,

```



```

imports: [FormsModule, CommonModule], // Add it here
template: `

```

```

  <div>
    <h2>Data:</h2>
    <ul>
      <li *ngFor="let item of data">{{ item }}</li>
    </ul>

    <input [(ngModel)]="newItem" placeholder="New item..." />
    <button (click)="addItem()">Add</button>
  </div>
,

```

```

  })
  export class App {
    data: string[];
    newItem: string = "";

    constructor(private myService: MyService) {
      this.data = this.myService.getData();
    }

```

```

    addItem() {
      if (this.newItem.trim()) {
        this.myService.addData(this.newItem);
        this.newItem = "";
      }
    }
  }
}

```

```
}  
}  
}
```

Exp7

app.routes.ts

```
import { Routes } from '@angular/router';  
import { Home } from '../home/home';  
import { About } from '../about/about';
```

```
export const routes: Routes = [  
  { path: '', component: Home },  
  { path: 'about', component: About }  
];
```

app.html

```
<nav style="background-color: lightgray; padding: 10px;">  
  <a routerLink="/" routerLinkActive="active" style="margin-right:  
10px;">Home</a>  
  <a routerLink="/about" routerLinkActive="active">About</a>  
</nav>  
<hr>  
  
<router-outlet></router-outlet>
```

app.ts

```
import { Component } from '@angular/core';  
import { RouterOutlet, RouterLinkActive } from '@angular/router';  
import { RouterModule } from '@angular/router';  
import { CommonModule } from '@angular/common';  
@Component({  
  selector: 'app-root',  
  imports: [RouterOutlet, RouterLinkActive, CommonModule, RouterModule],  
  templateUrl: './app.html',  
  styleUrls: ['./app.css']  
})  
export class App {  
  protected title = 'navg';  
}
```

home.html

```
<h2>Welcome to the Home Page!</h2>
```



```
<p>This is the main page of our Angular app.</p>

about.html
<h2>About Page</h2>
<p>This is a simple example showing Angular navigation.</p>
```

Exp8

fetch.ts

```
import { Injectable } from '@angular/core';
import { HttpClient } from '@angular/common/http';
import { Observable } from 'rxjs';
@Injectable({ providedIn: 'root' })
export class Fetchdata {
  constructor(private http: HttpClient) {}
  getUser(): Observable<any> {
    return this.http.get('https://jsonplaceholder.typicode.com/users');
  }
}
```

app.ts

```
import { Component, OnInit } from '@angular/core';
import { CommonModule } from '@angular/common';
import { Fetchdata } from './fetchdata';
@Component({
  selector: 'app-root',
  standalone: true,
  imports: [CommonModule],
  templateUrl: './app.html',
  styleUrls: ['./app.css']
})
export class App implements OnInit {
  userList: any[] = [];
  constructor(private fetchService: Fetchdata) {}
  ngOnInit(): void {
    this.fetchService.getUser().subscribe({
      next: (users) => this.userList = users,
      error: (err) => console.error('HTTP Error:', err)
    });
  }
}
```

```
});  
}  
}
```

app.html

```
<h2 style="text-align:center;">User Data from Server</h2>  
<table style="margin: 0 auto; border: 1px solid black; border-collapse:  
collapse;">  
  <thead>  
    <tr>  
      <th style="border: 1px solid black; padding: 10px;">Name</th>  
      <th style="border: 1px solid black; padding: 10px;">Id</th>  
      <th style="border: 1px solid black; padding: 10px;">Email</th>  
      <th style="border: 1px solid black; padding: 10px;">Street</th>  
    </tr>  
  </thead>  
  <tbody>  
    <tr *ngFor="let user of userList">  
      <td>{{ user.name }}</td>  
      <td>{{ user.id }}</td>  
      <td>{{ user.email }}</td>  
      <td>{{ user.address.street }}</td>  
    </tr>  
  </tbody>  
</table>
```

Main.ts

```
import 'zone.js'; // In TERMINAL npm install zone.ts  
import { bootstrapApplication } from '@angular/platform-browser';  
import { App } from './app/app';  
import { provideHttpClient } from '@angular/common/http';  
bootstrapApplication(App, {  
  providers: [provideHttpClient()]  
});
```