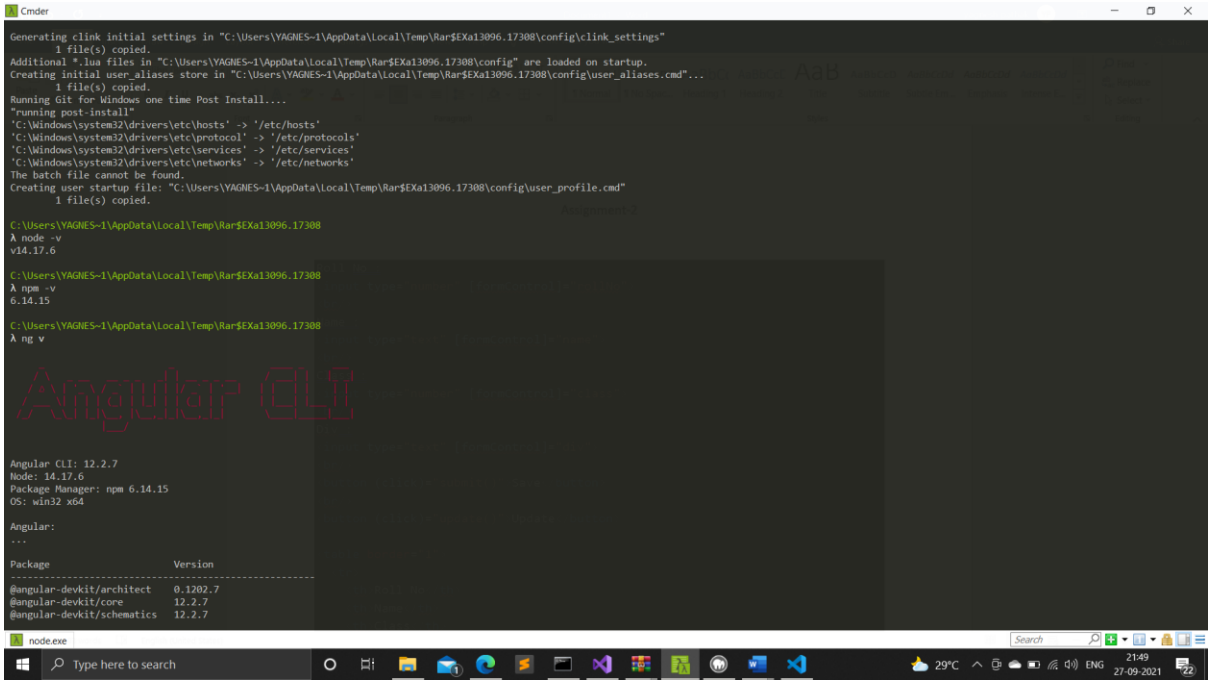
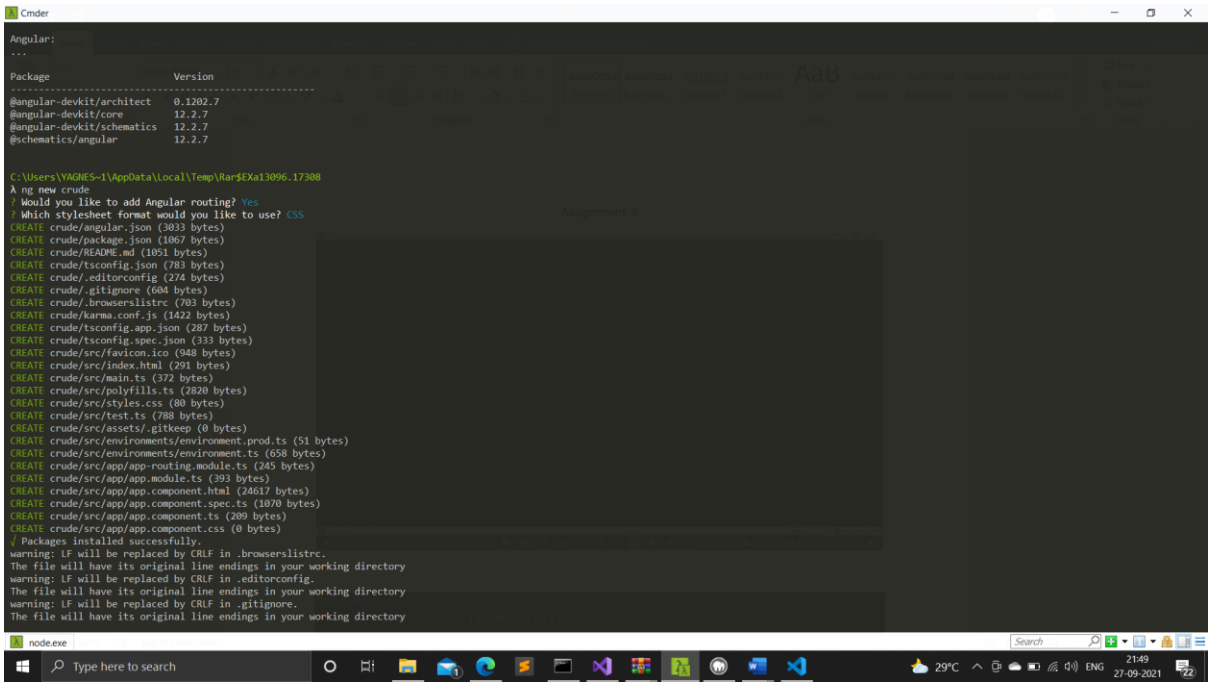
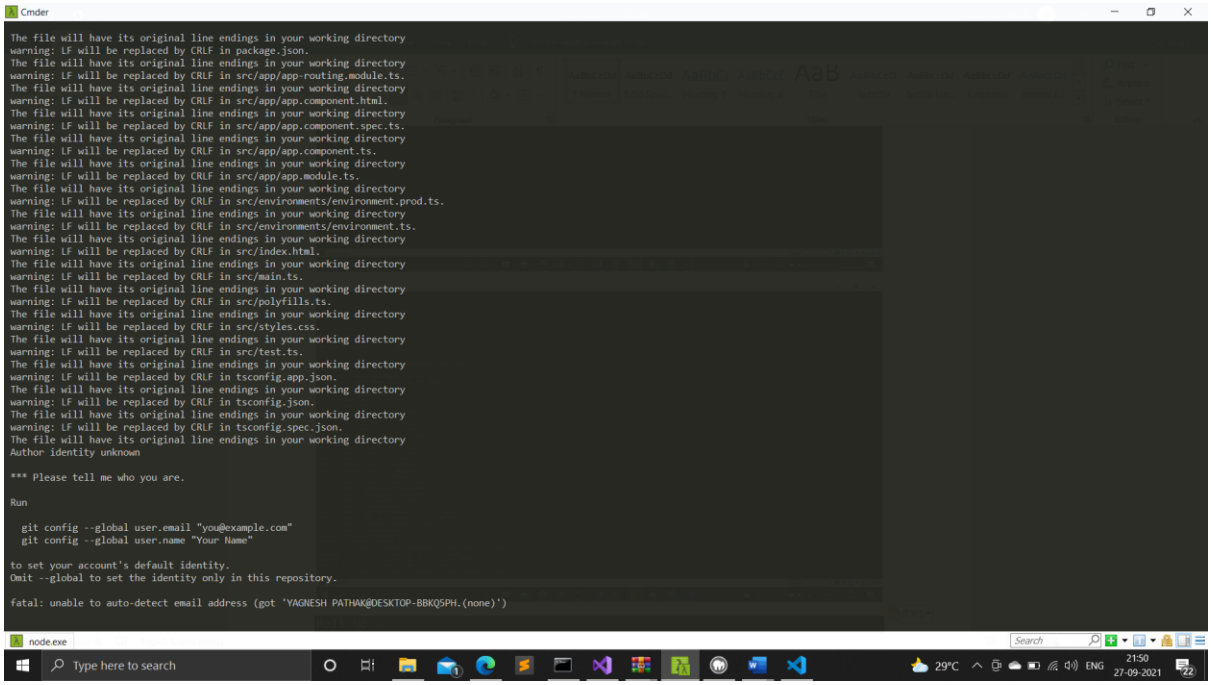
Assignment-2

Q=1. Create an Angular application to perform CRUD operations for your desired requirement.






Cmder
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in package.json.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/app/app-routing.module.ts.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/app/app.component.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/app/app.component.spec.ts.
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warning: LF will be replaced by CRLF in src/app/app.component.ts.
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warning: LF will be replaced by CRLF in src/app/app.module.ts.
The file will have its original line endings in your working directory
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warning: LF will be replaced by CRLF in src/index.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/main.ts.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/polyfills.ts.
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warning: LF will be replaced by CRLF in src/styles.css.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/test.ts.
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warning: LF will be replaced by CRLF in tsconfig.app.json.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in tsconfig.json.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in tsconfig.spec.json.
The file will have its original line endings in your working directory
Author identity unknown
*** Please tell me who you are.
Run
git config --global user.email "you@example.com"
git config --global user.name "Your Name"
to set your account's default identity.
Omit --global to set the identity only in this repository.
fatal: unable to auto-detect email address (got 'YAGNESH PATHAK@DESKTOP-BBKQ5PH.(none)')
node.exe
Search
Type here to search
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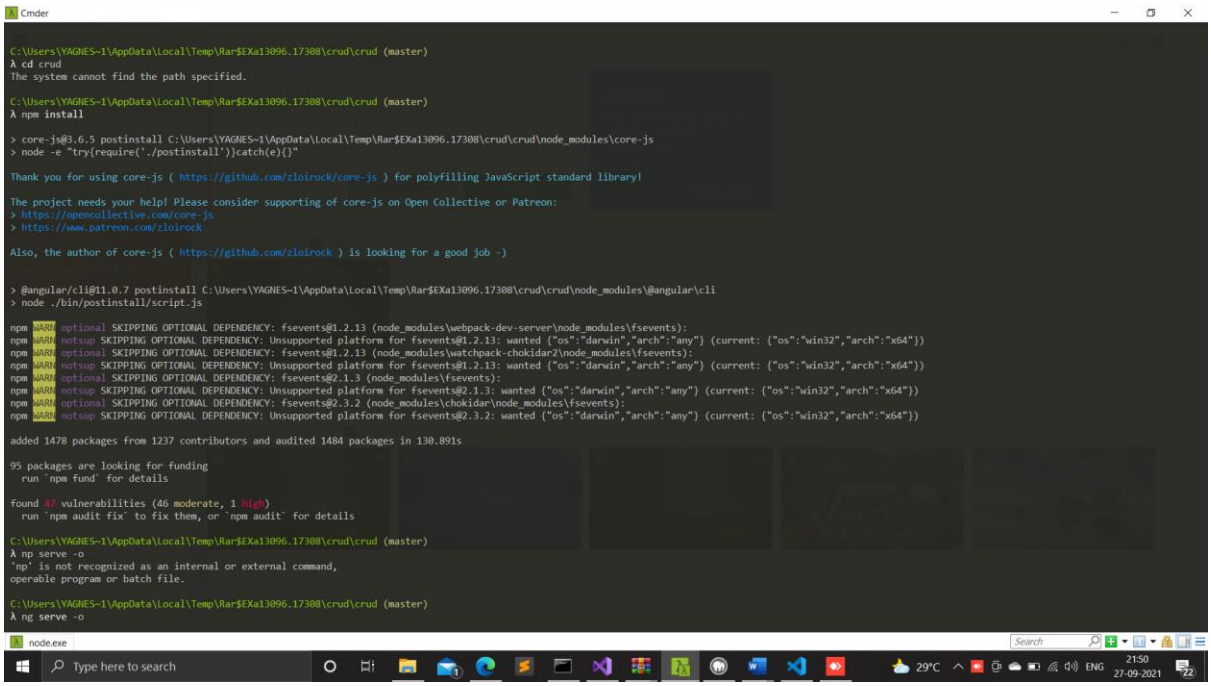
ENG
21:50
27-09-2021


Cmder
C:\Users\YAGNES~1\AppData\Local\Temp\Rar$EXa13096.17308\crud\crud (master)
λ cd crud
The system cannot find the path specified.
C:\Users\YAGNES~1\AppData\Local\Temp\Rar$EXa13096.17308\crud\crud (master)
λ npm install
> core-js@3.6.5 postinstall C:\Users\YAGNES~1\AppData\Local\Temp\Rar$EXa13096.17308\crud\crud\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"
Thank you for using core-js (https://github.com/zloirock/core-js) for polyfilling JavaScript standard library!
The project needs your help! Please consider supporting of core-js on Open Collective or Patreon:
> https://opencollective.com/core-js
> https://www.patreon.com/zloirock
Also, the author of core-js (https://github.com/zloirock) is looking for a good job -)
> @angular/cli@11.0.7 postinstall C:\Users\YAGNES~1\AppData\Local\Temp\Rar$EXa13096.17308\crud\crud\node_modules\@angular\cli
> node ./bin/postinstall/script.js
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\watchpack-chokidar2\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.3 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.3: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 1478 packages from 1237 contributors and audited 1484 packages in 130.891s
95 packages are looking for funding
run `npm fund` for details
found 47 vulnerabilities (46 moderate, 1 High)
run `npm audit fix` to fix them, or `npm audit` for details
C:\Users\YAGNES~1\AppData\Local\Temp\Rar$EXa13096.17308\crud\crud (master)
λ np serve -o
'np' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\YAGNES~1\AppData\Local\Temp\Rar$EXa13096.17308\crud\crud (master)
λ ng serve -o
node.exe
Search
Type here to search
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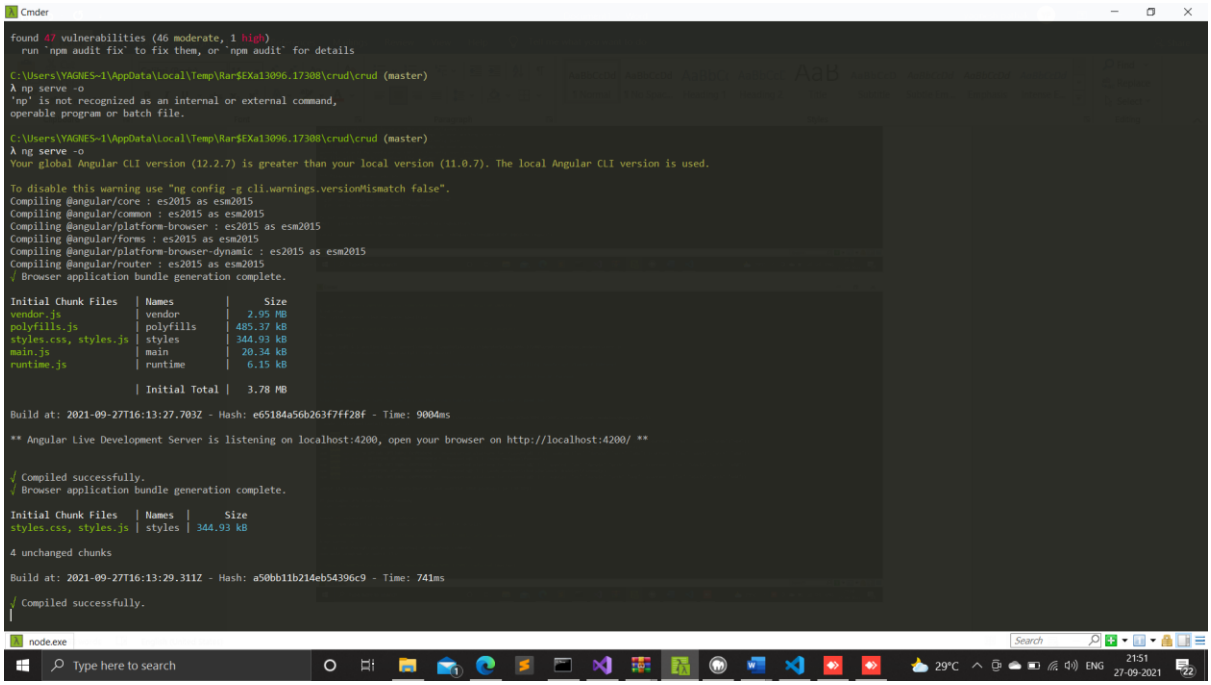
27-09-2021




```
Roll No :
<input type="number" [formControl]="rollNo">
<br/>
Name :
<input type="text" [formControl]="name">
<br/>
Class :
<input type="number" [formControl]="class">
<br/>
Div :
<input type="text" [formControl]="div">
<br/>
<button (click)="submit()">Save</button>
<br/>
<button (click)="update()">Update</button>

<table border="1">
  <tr>
    <th>Roll No</th>
    <th>Name</th>
    <th>Class</th>
    <th>Div</th>
    <th>Actions</th>
  </tr>
  <tr *ngFor="let stud of students">
    <td>
      {{stud.rollNo}}
    </td>
    <td>
      {{stud.name}}
```

```
    </td>
    <td>
      {{stud.class}}
    </td>
    <td>
      {{stud.div}}
    </td>
    <td>
      <button (click)="editStudent(stud.rollNo, stud.name, stud.class, stud.di
v)">Select</button>
      <button (click)="deleteStudent(stud.rollNo)">Delete</button>
    </td>
  </tr>
</table>
```

Test.ts

```
// This file is required by karma.conf.js and loads recursively all the .spec
and framework files

import 'zone.js/dist/zone-testing';
import { getTestBed } from '@angular/core/testing';
import {
  BrowserDynamicTestingModule,
  platformBrowserDynamicTesting
} from '@angular/platform-browser-dynamic/testing';

declare const require: {
  context(path: string, deep?: boolean, filter?: RegExp): {
    keys(): string[];
    <T>(id: string): T;
  };
};

// First, initialize the Angular testing environment.
getTestBed().initTestEnvironment(
  BrowserDynamicTestingModule,
  platformBrowserDynamicTesting()
);
// Then we find all the tests.
const context = require.context('./', true, /\.spec\.ts$/);
// And load the modules.
context.keys().map(context);
```

app.component.ts

```
import { Component } from '@angular/core';
import { FormControl } from '@angular/forms';
import { Student } from './model/student.model';

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'crud';
  rollNo = new FormControl();
  name = new FormControl();
  class = new FormControl();
  div = new FormControl();
  students:Student[] = [];
  submit(){
    let student:Student = {
      rollNo:this.rollNo.value,
      name:this.name.value,
      class:this.class.value,
      div:this.div.value
    }
    this.students.push(student);
    this.rollNo.reset();
    this.name.reset();
    this.class.reset();
    this.div.reset();
  }
  editStudent(rollNo:number,name:string , class1:number, div:string )
  {
    this.rollNo.patchValue(rollNo);
    this.name.patchValue(name);
    this.class.patchValue(class1);
    this.div.patchValue(div);
  }
  update(){
    this.students.find(x=>x.rollNo == this.rollNo.value).name = this.name.valu
e;
    this.students.find(x=>x.rollNo == this.rollNo.value).class = this.class.va
lue;
    this.students.find(x=>x.rollNo == this.rollNo.value).div = this.div.value;
  }
  deleteStudent(rollNo:number){
    var i= 0;
    for(let stud of this.students)
    {
```

```
      if(stud.rollNo == rollNo)
      {
        break;
      }
      i++;
    }
    this.students.splice(i,1);
  }

}
```

App.compontent.spec.ts

```
import { TestBed } from '@angular/core/testing';
import { RouterTestingModule } from '@angular/router/testing';
import { AppComponent } from './app.component';

describe('AppComponent', () => {
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      imports: [
        RouterTestingModule
      ],
      declarations: [
        AppComponent
      ],
    }).compileComponents();
  });

  it('should create the app', () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.componentInstance;
    expect(app).toBeTruthy();
  });

  it(`should have as title 'crud'`, () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.componentInstance;
    expect(app.title).toEqual('crud');
  });

  it('should render title', () => {
    const fixture = TestBed.createComponent(AppComponent);
    fixture.detectChanges();
    const compiled = fixture.nativeElement;
```

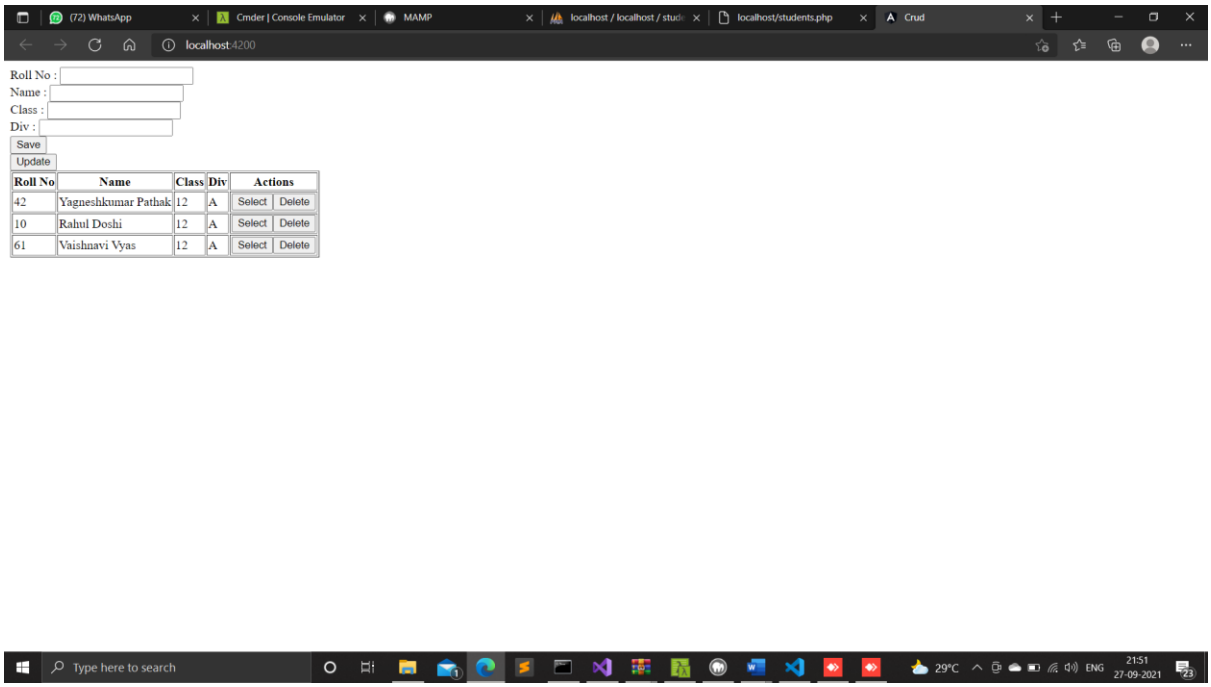
```
    expect(compiled.querySelector('.content span').textContent).toContain('cru
d app is running!');
  });
});
```

App.module.ts

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { ReactiveFormsModule } from '@angular/forms';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';

@NgModule({
  declarations: [
    AppComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    ReactiveFormsModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

Output:


(72) WhatsApp
Cmder | Console Emulator
MAMP
localhost / localhost / stude
localhost/students.php
Crud
localhost:4200
Roll No :
Name :
Class :
Div :
Save
Update
Roll No
Name
Class
Div
Actions
42
Yagneshkumar Pathak
12
A
Select
Delete
10
Rahul Doshi
12
A
61
Vaishnavi Vyas
12
A

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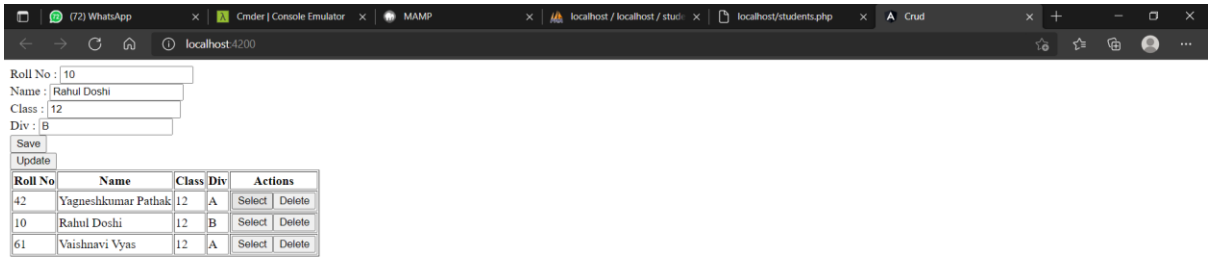
27-09-2021


(72) WhatsApp
Cmder | Console Emulator
MAMP
localhost / localhost / stude
localhost/students.php
Crud
localhost:4200
Roll No : 10
Name : Rahul Doshi
Class : 12
Div : B
Save
Update
Roll No
Name
Class
Div
Actions
42
Yagneshkumar Pathak
12
A
Select
Delete
10
Rahul Doshi
12
B
61
Vaishnavi Vyas
12
A

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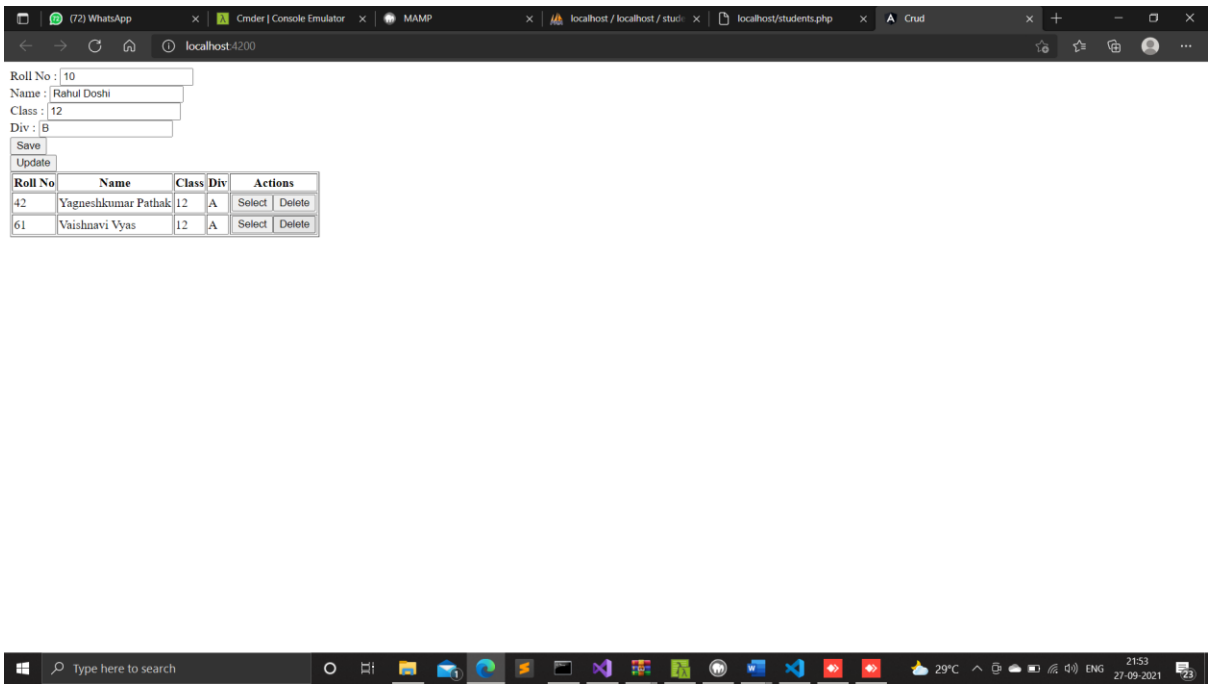
27-09-2021



Index.html

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>Crud</title>
  <base href="/">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="icon" type="image/x-icon" href="favicon.ico">
</head>
<body>
  <app-root></app-root>
</body>
</html>
```