

A screenshot of a Microsoft PowerPoint slide titled "Angular Material - Agenda". The slide content is as follows:

<ul style="list-style-type: none">1. Angular Material Introduction2. Getting Started with Angular Material3. How to use Material Module4. Types of Typography5. Buttons6. Button Toggle7. Icons8. Badges9. Progress Spinner10. Navbar11. Sidenav12. Menu13. List14. Grid List15. Expansion Panel16. Cards17. Tabs18. Stepper19. Input20. Select	<ul style="list-style-type: none">21. Auto Complete22. Check Box and Radio Buttons23. Date Picker24. Tooltip25. Snackbar26. Dialog27. Data Table28. Exploring Data Table29. Filtering Data Table30. Sorting the Data Table31. Data Table Pagination32. Virtual Scrolling
--	---

The slide also features a large, yellow, cartoonish emoji of a smiling face with a wide-open mouth and large eyes, positioned on the right side.

Salient features of Angular Material

- In-built responsive designing:
 - Angular Material has in-built responsive designing so that the website created using Angular Material will redesign itself as per the device size.
 - Angular Material classes are created in such a way, that the website can fit any screen size.
 - The websites created using Angular Material are fully compatible with PC, tablets, and mobile devices.



Salient features of Angular Material

- Includes new versions of common user interface controls such as buttons, check boxes, and text fields which are adapted to follow Material Design concepts.
- Includes enhanced and specialized features like cards, toolbar, speed dial, side nav, swipe, and so on.
- Cross-browser, and can be used to create reusable web components.



#AngularMaterial in Telugu #02 Getting Started || RSKHelpline

For existing applications, follow the steps below to begin using Angular Material.

Install Angular Material

Use the Angular CLI's `install schematic` to set up your Angular Material project by running the following command:

```
ng add @angular/material
```

The `ng add` command will install Angular Material, the Component Dev Kit (CDK), Angular Animations and ask you the following questions to determine which features to include:

1. Choose a prebuilt theme name, or "custom" for a custom theme:
You can choose from [prebuilt material design themes](#) or set up an extensible custom theme.
2. Set up browser animations for Angular Material:
Importing the [BrowserAnimationsModule](#) into your application enables Angular's animation system.
Declining this will disable most of Angular Material's animations.

The `ng add` command will additionally perform the following configurations:

#AngularMaterial in Telugu #02 Getting Started || RSKHelpline

src > app > app.component.html

TERMINAL

```
? Choose a prebuilt theme name, or "custom" for a custom theme: Pink/Blue Grey [ Prev  
iew https://material.angular.io?theme=pink-bluegrey ]  
? Set up global Angular Material typography styles? (y/n) [
```

```
chunk {main} main.js, main.js.map (main) 11.5 kB [initial] [rendered]  
Time: 1006ms  
: Compiled successfully.  
~Ctermite batch job (Y/N)? y  
PS E:\PRACTICE\Angular10\AngularMaterial> [
```

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure with files like app.component.css, app.component.html, app.component.spec.ts, app.module.ts, assets, environments, favicon.ico, index.html, main.ts, polyfills.ts, styles.css, test.ts, browserslistrc, editorconfig, .gitignore, and angular.json.
- Editor:** The angular.json file is open, showing its contents. The code includes configurations for aot, assets, styles, and scripts.
- Terminal:** The terminal shows the command `ng build` being run, which installs packages, updates angular.json, and successfully compiles the application.
- Status Bar:** Shows the current file is angular.json, the terminal is running powershell, and the date and time are 11/18/2020 at 7:26 PM.

The screenshot shows the Visual Studio Code interface with the following details:

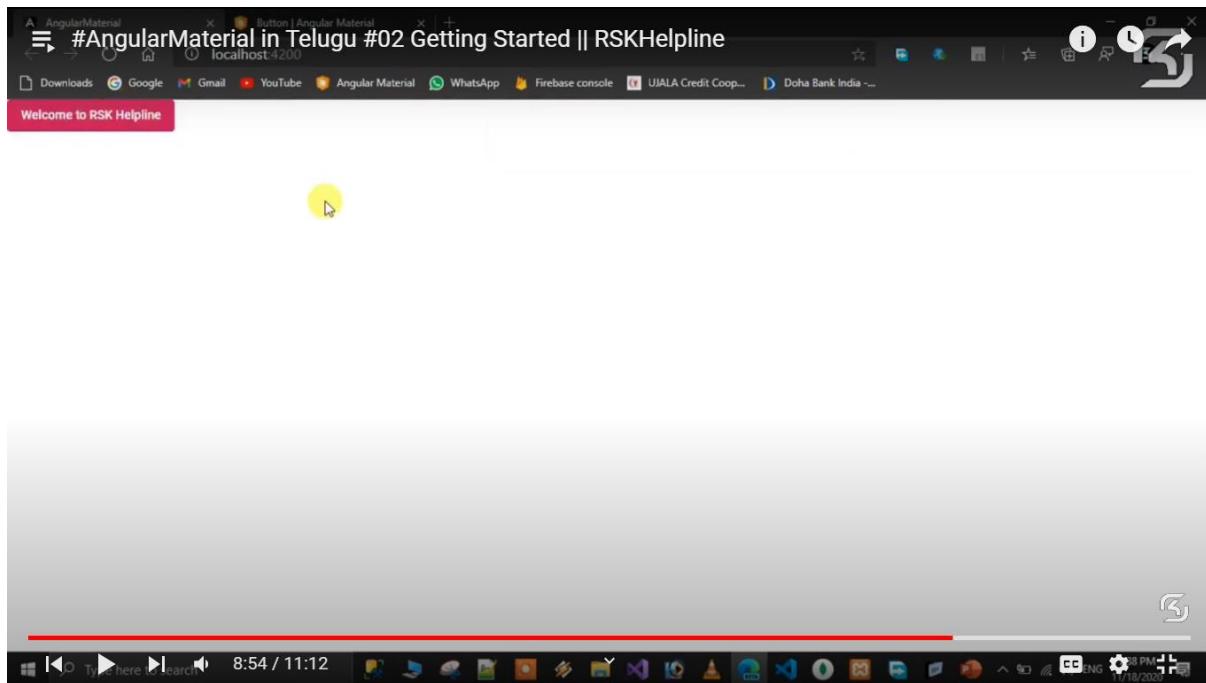
- File Explorer:** Shows the project structure with files like app.module.ts and app.component.html.
- Editor:** The app.module.ts file is open, showing the AppModule definition. It imports BrowserModule, AppRoutingModule, BrowserAnimationsModule, and MatButtonModule.
- Terminal:** The terminal shows the command `ng build` being run, which takes 5329ms and successfully compiles the application.
- Status Bar:** Shows the current file is app.module.ts, the terminal is running powershell, and the date and time are 11/18/2020 at 7:13 PM.

The screenshot shows the Visual Studio Code interface. The code editor has a dark theme and displays the following code:

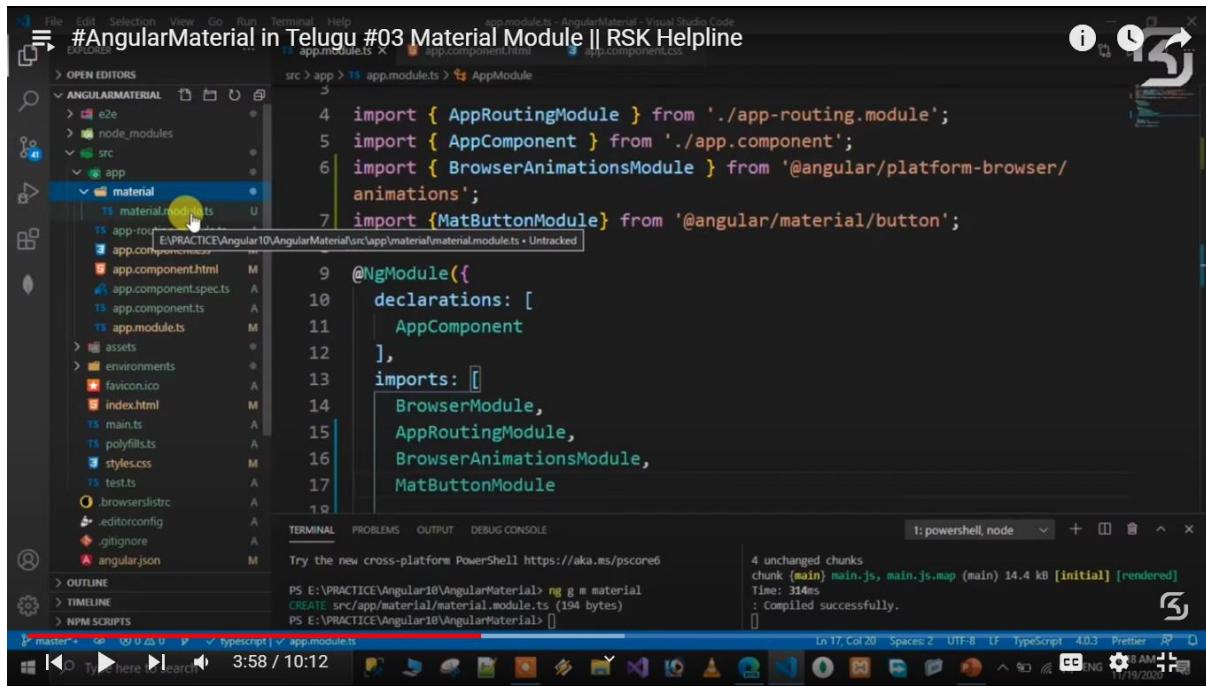
```
src > app > app.component.html > button
1 | <button mat-flat-button color="primary">Welcome to RSK Helpline</button>
```

The terminal below shows the output of a webpack compilation:

```
webpack      4.43.0
PS E:\PRACTICE\Angular10\AngularMaterial> Time: 567ms
: Compiled successfully.
```



Down lo we are creating a separate folder for material to install that use common ng g m matName
And side we can see that material folder also



#AngularMaterial in Telugu #03 Material Module || RSK Helpline

```
src > app > app.module.ts > AppModule
4 import { AppRoutingModule } from './app-routing.module';
5 import { AppComponent } from './app.component';
6 import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
7 import { MatButtonModule } from '@angular/material/button';

9 @NgModule({
10   declarations: [
11     AppComponent
12   ],
13   imports: [
14     BrowserModule,
15     AppRoutingModule,
16     BrowserAnimationsModule,
17     MatButtonModule
18 })
19 
```

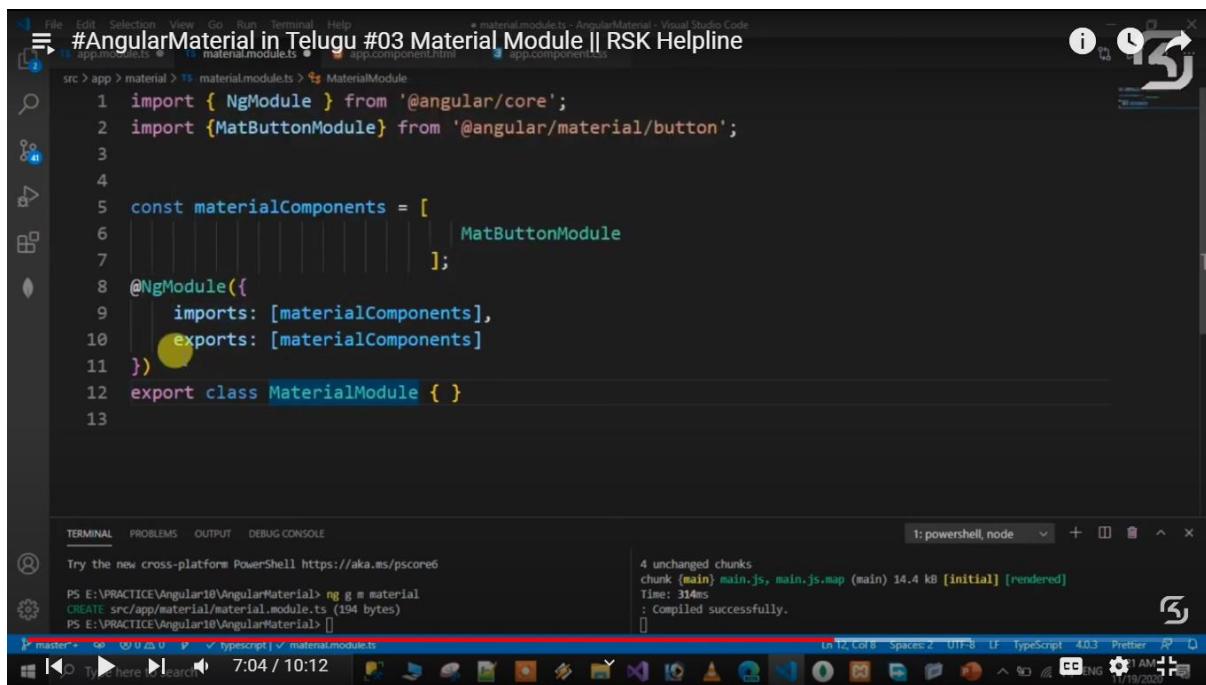
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS E:\PRACTICE\Angular10\AngularMaterial> ng g m material
CREATE src/app/material/material.module.ts (194 bytes)
PS E:\PRACTICE\Angular10\AngularMaterial> 
```

1: powershell, node

4 unchanged chunks
chunk **(main)** main.js, main.js.map (main) 14.4 kB [initial] [rendered]
Time: 314ms
: Compiled successfully.

In 17, Col 20 Spaces: 2 UTF-8 LF TypeScript 4.0.3 Prettier 2.3.1 8 AM 11/19/2020



#AngularMaterial in Telugu #03 Material Module || RSK Helpline

```
src > app > material > material.module.ts > MaterialModule
1 import { NgModule } from '@angular/core';
2 import {MatButtonModule} from '@angular/material/button';
3
4
5 const materialComponents = [
6   MatButtonModule
7 ];
8
9 @NgModule({
10   imports: [materialComponents],
11   exports: [materialComponents]
12 })
13 export class MaterialModule { }
```

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS E:\PRACTICE\Angular10\AngularMaterial> ng g m material
CREATE src/app/material/material.module.ts (194 bytes)
PS E:\PRACTICE\Angular10\AngularMaterial> 
```

1: powershell, node

4 unchanged chunks
chunk **(main)** main.js, main.js.map (main) 14.4 kB [initial] [rendered]
Time: 314ms
: Compiled successfully.

In 12, Col 8 Spaces: 2 UTF-8 LF TypeScript 4.0.3 Prettier 2.3.1 8 AM 11/19/2020

Import material module in appmodule.ts (or) appcomp.ts file (in 18v) (

#AngularMaterial in Telugu #03 Material Module || RSK Helpline

```
src > app > app.module.ts ...  
  4 import { APPROUTINGMODULE } from './app-routing.module';  
  5 import { AppComponent } from './app.component';  
  6 import { BrowserAnimationsModule } from '@angular/platform-browser/animations';  
  7 import {MaterialModule} from './material/material.module'  
  8  
  9 @NgModule({  
10   declarations: [  
11     AppComponent  
12   ],  
13   imports: [  
14     BrowserModule,  
15     AppRoutingModule,  
16     BrowserAnimationsModule,  
17     MaterialModule  
18   ]  
19 })  
20  
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
PS E:\PRACTICE\Angular10\AngularMaterial> ng g m material  
CREATE src/app/material/material.module.ts (194 bytes)  
PS E:\PRACTICE\Angular10\AngularMaterial> [REDACTED]  
1: powershell, node
```

app.component.html - AngularMaterial - Visual Studio Code

```
src > app > app.component.html ...  
  1 <h1>  
  2   |   RSK Helpline: Angular Material  
  3   |</h1> <hr />  
  4   |  
  5   |  
  6 <div>  
  7   |<button mat-raised-button color="warn">Welcome to RSK Helpline</button>  
  8 </div>  
  9  
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
PS E:\PRACTICE\Angular10\AngularMaterial> ng g m material  
CREATE src/app/material/material.module.ts (194 bytes)  
PS E:\PRACTICE\Angular10\AngularMaterial> [REDACTED]
```

Angular Material - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Thumbnails

Typography:

- Typography deals with styles and appearance of text on our website/web application.
- Angular material provides with different levels of typography.
- Each level has definite “font size”, “font weight” and “line height”.

Ex: If our website/ Application has huge number of headers, we can use “Display Classes”.

Let's do in practical.....

110K 2K SUBSCRIBED

Slide 14 of 15 English (United States)

Search for anything

Notes Comments

6:55 PM 11/19/2020

So display-h1 ,h2..... for this no need to import anything

#AngularMaterial in Telugu #04 Typography || RSK Helpline

```
src > app > app.component.html > div.mat-display-4
1 <h1>
2   |   RSK Helpline: Angular Material
3   </h1> <hr />
4
5 <div class="mat-display-1"> Header 1</div>
6 <div class="mat-display-2"> Header 2</div>
7 <div class="mat-display-3"> Header 3</div>
8 <div class="mat-display-4"> Header 4</div>
9
```

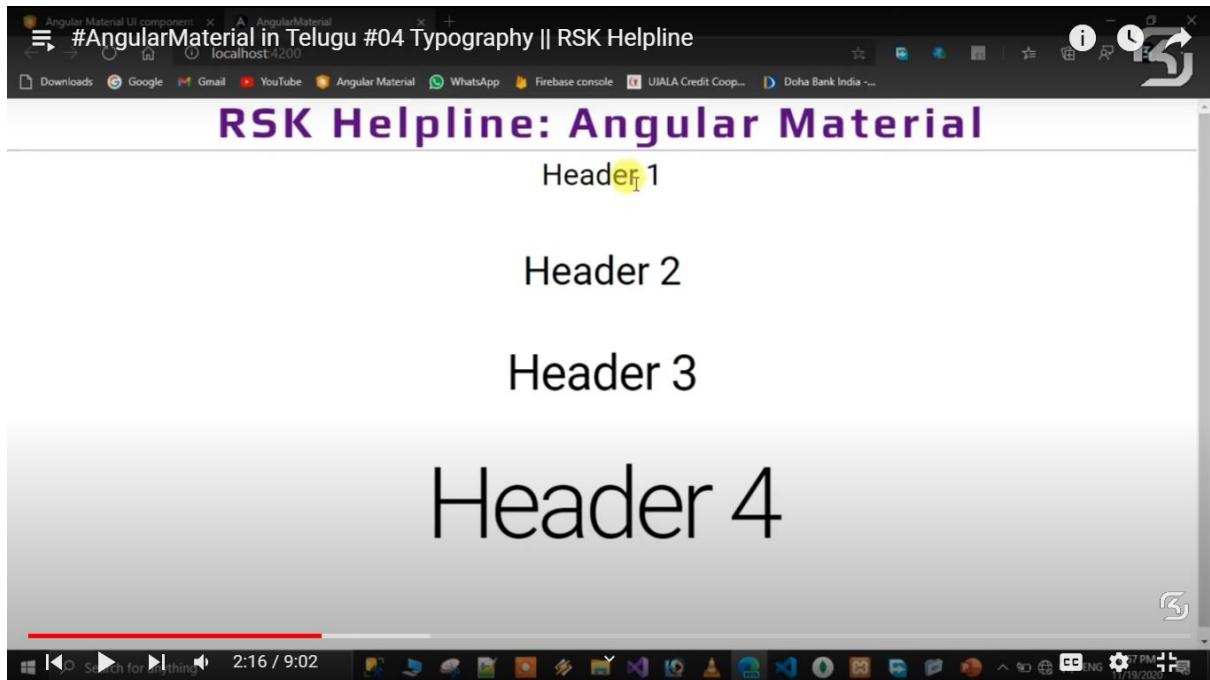
TERMINAL

```
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS E:\PRACTICE\Angular10\AngularMaterial>
```

```
chunk {main} main.js, main.js.map (main) 16.7 kB [initial] [rendered]
Time: 491ms
: Compiled successfully.
```

1: powershell, node

Ln 8, Col 37 Spaces: 4 UTF-8 CRLF HTML Prettier

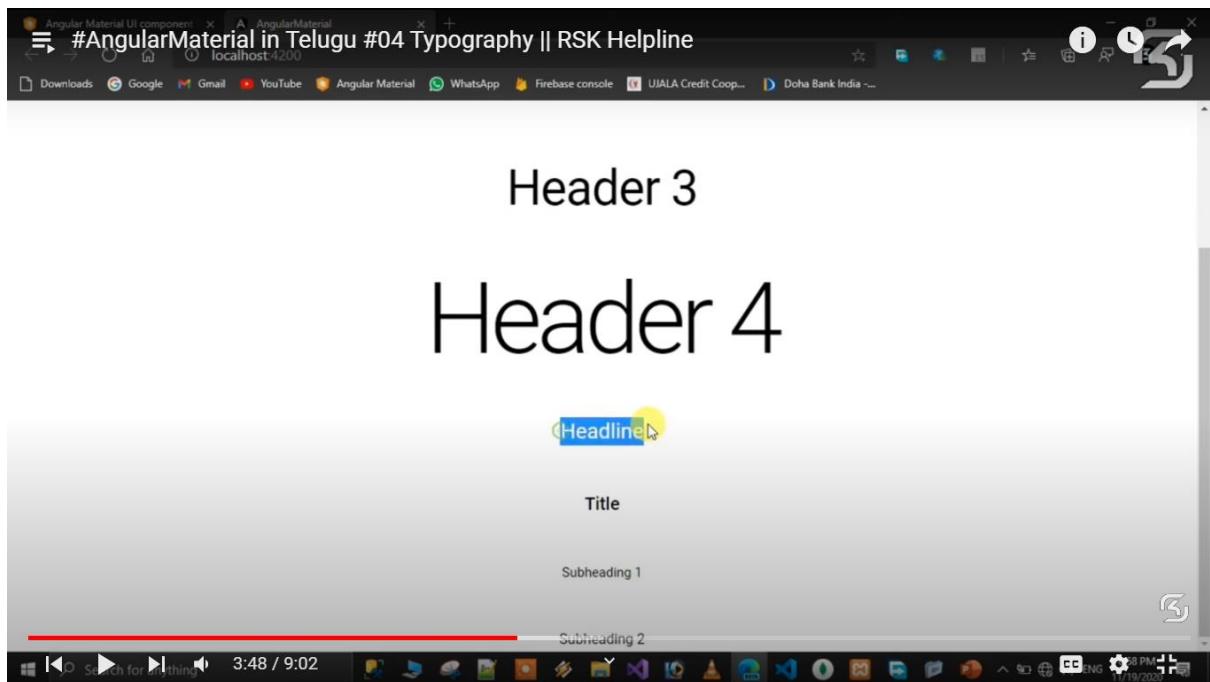


A screenshot of Visual Studio Code showing the code for the Angular component "app.component.html". The code uses Angular Material's mat-display classes to create the four headers. The code editor interface is visible, along with a terminal window below it.

```
src > app > app.component.html > div.mat-subheading-2
1 <h1>
2 |   RSK Helpline: Angular Material
3 </h1> <hr />
4
5 <div class="mat-display-1"> Header 1</div>
6 <div class="mat-display-2"> Header 2</div>
7 <div class="mat-display-3"> Header 3</div>
8 <div class="mat-display-4"> Header 4</div>
9
10
11 <div class="mat-headline"> Headline</div>
12 <div class="mat-title"> Title</div>
13 <div class="mat-subheading-1"> Subheading 1</div>
14 <div class="mat-subheading-2"> Subheading 2</div>
15
```

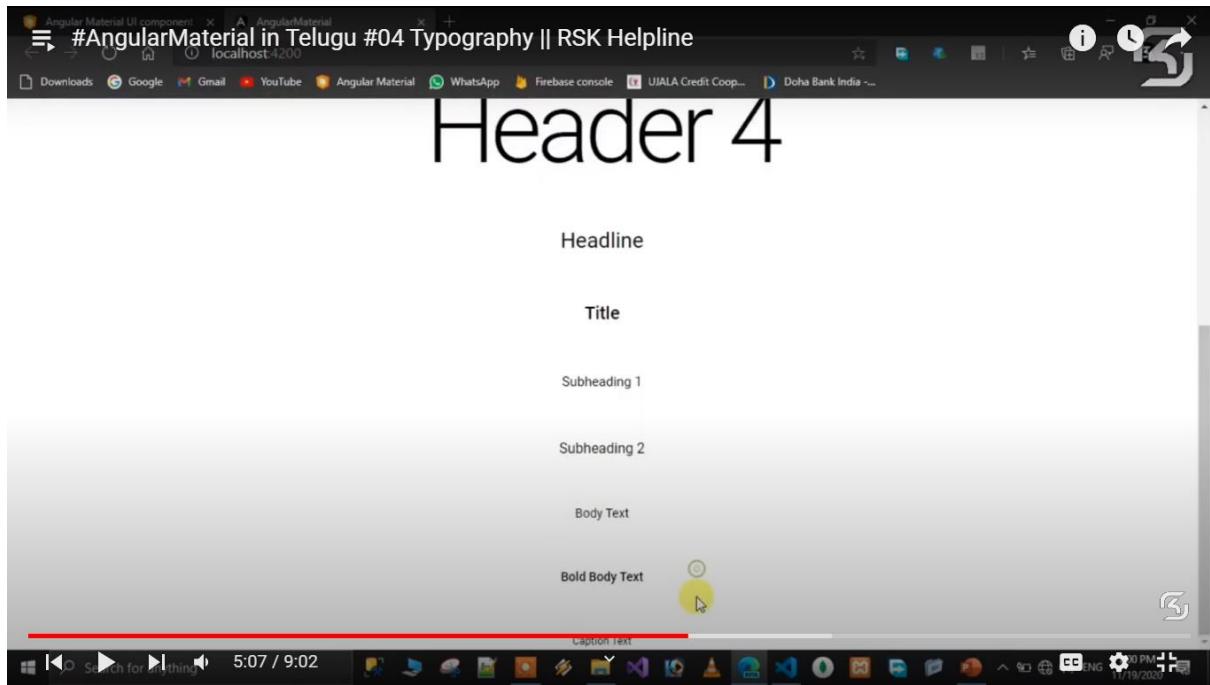
The terminal window shows the output of a build process:

```
chunk {main} main.js, main.js.map (main) 17.7 kB [initial] [rendered]
Time: 578ms
: Compiled successfully.
83% before module ids NamedModulesPlugin[
```

A screenshot of Visual Studio Code showing the code for the Angular component. The file is "app.component.html" and contains the following HTML code:

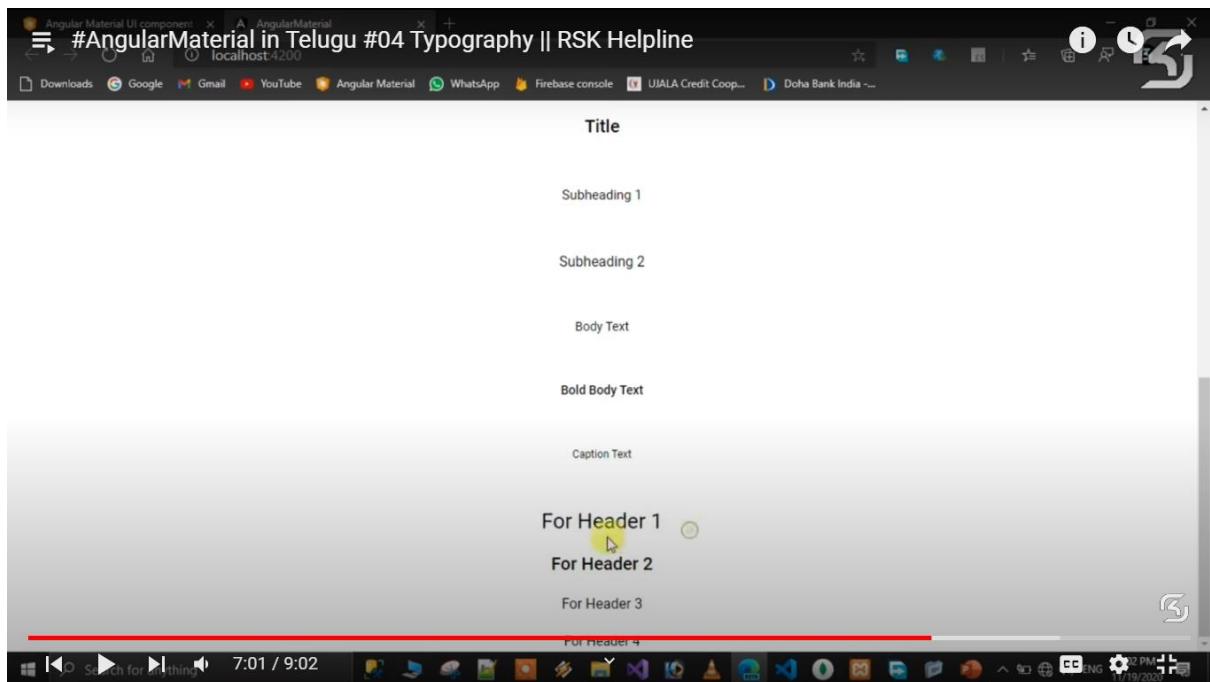
```
src > app > app.component.html > div.mat-body-1
3 | </h1> <hr />
4 |
5 | <div class="mat-display-1"> Header 1</div>
6 | <div class="mat-display-2"> Header 2</div>
7 | <div class="mat-display-3"> Header 3</div>
8 | <div class="mat-display-4"> Header 4</div>
9 |
10|
11| <div class="mat-headline"> Headline</div>
12| <div class="mat-title"> Title</div>
13| <div class="mat-subheading-1"> Subheading 1</div>
14| <div class="mat-subheading-2"> Subheading 2</div>
15|
16| <div class="mat-body-1">Body Text</div>
17| <div class="mat-body-2">Bold Body Text</div>
18| <div class="mat-caption">Caption Text</div>
19|
```

The code editor has syntax highlighting for HTML and CSS. Below the code editor is a terminal window showing the command "PS E:\PRACTICE\Angular10\AngularMaterial>". The terminal output shows the build process: "chunk {main} main.js, main.js.map (main) 18.5 kB [initial] [rendered]", "Time: 981ms", and ": Compiled successfully." The system tray at the bottom of the screen shows the date and time as 11/19/2020 5:13 PM.



Directly using typography for class=typography in normal html we have 6 headings here we have only 4

A screenshot of Visual Studio Code showing the file 'app.component.html'. The code defines a structure with multiple levels of nested headings (H1-H4) and body text, all enclosed within a single 'mat-typography' component. The code uses classes like 'mat-headline', 'mat-title', etc., to apply styles. The terminal below shows a successful build process with output like 'chunk {main} main.js, main.js.map (main) 19.3 kB [initial] [rendered]' and 'Compiled successfully.' The taskbar at the bottom shows standard Windows icons.

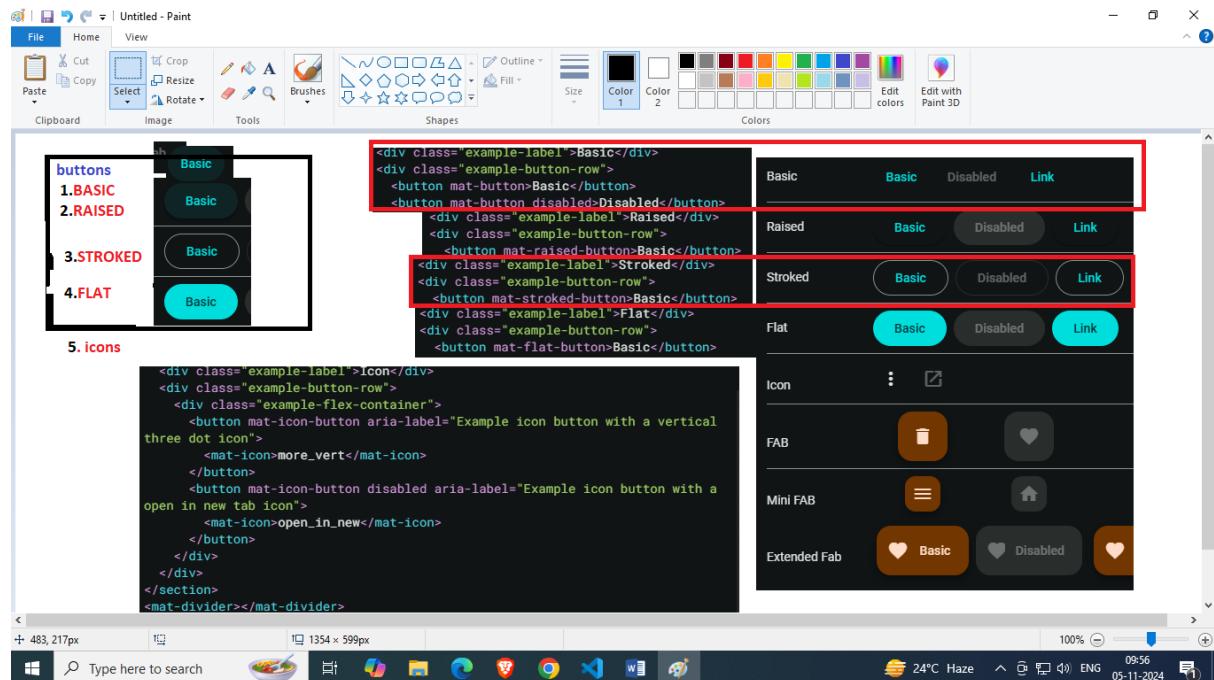


buttons

A screenshot of a Microsoft PowerPoint slide titled 'Angular Material - Agenda'. The slide contains two columns of numbered items:

1. Angular Material Introduction	21. Auto Complete
2. Getting Started with Angular Material	22. Check Box and Radio Buttons
3. How to use Material Module	23. Date Picker
4. Types of Typography	24. Tooltip
5. Buttons	25. Snackbar
6. Button Toggle	26. Dialog
7. Icons	27. Data Table
8. Badges	28. Exploring Data Table
9. Progress Spinner	29. Filtering Data Table
10. Navbar	30. Sorting the Data Table
11. Sidenav	31. Data Table Pagination
12. Menu	32. Virtual Scrolling
13. List	
14. Grid List	
15. Expansion Panel	
16. Cards	
17. Tabs	
18. Stepper	
19. Input	
20. Select	

The slide also features a large, cartoonish yellow emoji of a smiling hand pointing upwards on the right side. The PowerPoint interface shows the title bar 'Angular Material - PowerPoint', the ribbon menu, and the slide navigation controls.



Import Buttn api

API reference for Angular Material button

```
import {MatButtonModule} from '@angular/material/button';
```

Directives

MatButton

Material design button.

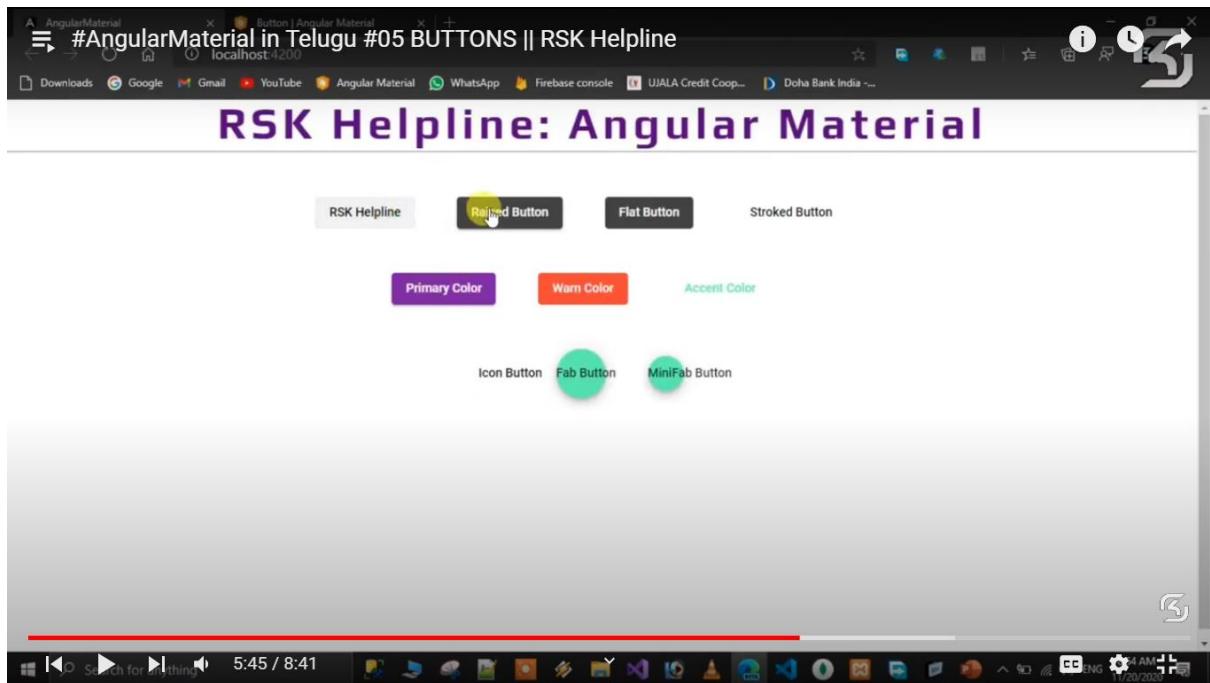
Selector: button[mat-button] button[mat-raised-button] button[mat-icon-button] button[mat-fab] button[mat-mini-fab] button[mat-stroked-button] button[mat-flat-button]

The screenshot shows the Visual Studio Code interface with the title bar "#AngularMaterial in Telugu #05 BUTTONS || RSK Helpline". The code editor displays the following HTML snippet:

```
src > app > app.component.html > div > button
6   <button mat-button>RSK Helpline</button>
7   <button mat-raised-button>Raised Button</button>
8   <button mat-flat-button>Flat Button</button>
9   <button mat-stroked-button>Stroked Button</button>
10  </div>
11  <div>
12
13  <button mat-raised-button color="primary">Primary Color</button>
14  <button mat-flat-button color="warn">Warn Color</button>
15  <button mat-stroked-button color="accent">Accent Color</button>
16 </div>
17 <div>
18  <button mat-icon-button> Icon Button</button>
19  <button mat-fab> Fab Button</button>
20  <button mat-mini-fab> MiniFab Button</button>
21 </div>
```

The terminal below shows the command "npm run build" being executed, resulting in a successful compilation:

```
chunk [main] minified 39.3 kB [initial] [rendered]
Time: 846ms
: Compiled successfully.
```



By default ga ripple anedi vasundi buttons ki so adi ravaddu ante use disableRipple

#AngularMaterial in Telugu #05 BUTTONS || RSK Helpline

```

11 <div>
12   <button mat-raised-button color="primary">Primary Color</button>
13   <button mat-flat-button color="warn">Warn Color</button>
14   <button mat-stroked-button color="accent">Accent Color</button>
15 </div>
16
17 <div>
18   <button mat-icon-button> Icon Button</button>
19   <button mat-fab> Fab Button</button>
20   <button mat-mini-fab> MiniFab Button</button>
21 </div>
22
23 <div>
24   <button mat-raised-button color="primary" disableRipple>Primary Color</button>
25   <a
26 </div>

```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS E:\PRACTICE\Angular10\AngularMaterial>

1: powershell, node

chunk {main} main.js, main.js.map (main) 20 kB [initial] [rendered]
Time: 447ms
: Compiled successfully.

File Edit Selection View Go Run Terminal Help app.component.html AngularMaterial - Visual Studio Code

Radio button

Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Rotate Tools Brushes Shapes Colors

Smoking details

Yes No

smokingStatusYes smokingStatusNo

noteYes noteNO

Radio buttons

see below dig

Activate Windows

Go to Settings to activate Windows

1033, 495px 1354 x 599px

Type here to search SENSEX -0.50% 15:23 24-01-2025 ENG

File Edit Selection View Go Run Terminal Help app.component.html AngularMaterial - Visual Studio Code

export class DummyComponent {
 smokingYes:boolean=false;//defaultValue
 smokingNo:boolean=false;
 regForm:FormGroup;
 constructor(){
 this.regForm=new FormGroup({
 smokingStatusNo:new FormControl(),
 noteNo:new FormControl(),
 smokingStatusYes:new FormControl(),
 noteYes:new FormControl(),
 radioEvent:new FormControl(),
 })
 }
 changeEvent(e:string) {
 if(e==='rajesh'){
 this.smokingYes=true;
 this.smokingNo=false;
 } else if(e==='rk'){
 this.smokingNo=true;
 this.smokingYes=false;
 }
 }
}

<h1 style="color: red;">Dummy component</h1>
<form action="" [FormGroup]=>regForm>
 <h2>Smoking details</h2>
 <mat-radio-group (change)="changeEvent(\$event.value)">
 <mat-radio-button value="rajesh">Yes</mat-radio-button>
 <mat-radio-button value="rk">No</mat-radio-button>
 </mat-radio-group>

 <div>
 <mat-form-field appearance="outline">
 <input type="text" matInput formControlName="smokingStatusYes" placeholder="smokingStatusYes">

 </mat-form-field>

 <mat-form-field appearance="outline">
 <input type="text" matInput formControlName="noteYes" placeholder="noteYes">

 </mat-form-field>

 </div>
 <div>
 <mat-form-field appearance="outline">
 <input type="text" matInput formControlName="smokingStatusNo" placeholder="smokingStatusNo">

 </mat-form-field>

 <mat-form-field appearance="outline">
 <input type="text" matInput formControlName="noteNO" placeholder="noteNO">

 </mat-form-field>

 </div>
</form>

by default wn page load then YesRadioBtn will be clicked by default

step:1 take formControlName

```

export class DummyComponent {
  smokingYes:boolean=false;
  smokingNo:boolean=false;
  regForm:FormGroup;
  constructor(){
    this.regForm=new FormGroup({
      smokingStatusNo:new FormControl(),
      noteNo:new FormControl(),
      smokingStatusYes:new FormControl(),
      noteYes:new FormControl()
    });
    this.changeEvent('rajesh');
  }
  changeEvent(e: string) {
    if(e==='rajesh'){
      this.smokingYes=true;
      this.smokingNo=false;
    } else if(e==='rk'){
      this.smokingNo=true;
      this.smokingYes=false;
    }
  }
}

```

Angular Material - Agenda

- 1. Angular Material Introduction
- 2. Getting Started with Angular Material
- 3. How to use Material Module
- 4. Types of Typography
- 5. Buttons
- 6. Button Toggle**
- 7. Icons
- 8. Badges
- 9. Progress Spinner
- 10. Navbar
- 11. Sidenav
- 12. Menu
- 13. List
- 14. Grid List
- 15. Expansion Panel
- 16. Cards
- 17. Tabs
- 18. Stepper
- 19. Input
- 20. Select
- 21. Auto Complete
- 22. Check Box and Radio Buttons
- 23. Date Picker
- 24. Tooltip
- 25. Snackbar
- 26. Dialog
- 27. Data Table
- 28. Exploring Data Table
- 29. Filtering Data Table
- 30. Sorting the Data Table
- 31. Data Table Pagination
- 32. Virtual Scrolling

Import button toggle

The screenshot shows the Angular Material website at https://material.angular.io/components/button-toggle/api. The page title is "#AngularMaterial in Telugu #06 BUTTON Toggle || #RSKHelpline". The left sidebar has a "Button toggle" section selected. The main content area shows the API reference for the Button toggle component, with tabs for OVERVIEW, API (selected), and EXAMPLES. The API section includes code snippets for importing the module and defining a MatButtonToggleGroup directive. A sidebar on the right provides navigation links for the Button Toggle component, including Directives, Classes, Interfaces, and Constants.

The screenshot shows the Visual Studio Code interface with the file "material.module.ts" open. The code imports NgModule, MatButtonModule, and MatButtonToggleModule from the angular/material library. It defines a const materialComponents array containing MatButtonModule and MatButtonToggleModule. The NgModule block specifies imports as [materialComponents] and exports as [materialComponents]. The code is annotated with a yellow circle highlighting the MatButtonToggleModule import. The bottom terminal shows the build process: "chunk {vendor} vendor.js, vendor.js.map (vendor) 3.23 MB [initial] [rendered]" and "Time: 1717ms : Compiled successfully." The status bar indicates the file is 1: powershell, node.

#AngularMaterial in Telugu #06 BUTTON Toggle || #RSKHelpline

```
src > app > app.component.html > div > mat-button-toggle
1 | <h1>
2 |   RSK Helpline: Angular Material
3 | </h1> <hr />
4 |
5 | <div>
6 |   <mat-button-toggle #state disableRipple [Toggle]</mat-button-toggle>
7 |   {{state.checked}}
8 | </div>
```

to know state we are using
stringInterpolation by default button we
property will be False wn u click on btn the it
will be true
if u noNeed ripple then use disableRipple

op: 

#AngularMaterial in Telugu #06 BUTTON Toggle || #RSKHelpline

```
src > app > app.component.html > div
1 | <h1>
2 |   RSK Helpline: Angular Material
3 | </h1> <hr />
4 |
5 | <div>
6 |   <mat-button-toggle-group #group="matButtonToggleGroup">
7 |     <mat-button-toggle value="Angular">Angular</mat-button-toggle>
8 |     <mat-button-toggle value="React">React</mat-button-toggle>
9 |     <mat-button-toggle value="Vue">Vue</mat-button-toggle>
10 |    <mat-button-toggle value="Bootstrap">Bootstrap</mat-button-toggle>
11 |  </mat-button-toggle-group>
12 |  {{group.value}}
13 | </div>
```

to group toggle we will use
mat-btn-tgle-group

op: wn u click on btn that op will come bz of string
Interpolation to getMultiple values see below

Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Rotate Tools Brushes Shapes Colors Size Color 1 Color 2 Edit colors Edit with Paint 3D

#AngularMaterial in Telugu #06 BUTTON Toggle || #RSKHelpline

```

src > app > app.component.html > div > mat-button-toggle-group
1 <h1>
2   RSK Helpline: Angular Material
3 </h1> <hr />
4
5 <div>
6   <mat-button-toggle-group #group="matButtonToggleGroup" multiple>
7     <mat-button-toggle value="Angular">Angular</mat-button-toggle>
8     <mat-button-toggle value="React">React</mat-button-toggle>
9     <mat-button-toggle value="Vue">Vue</mat-button-toggle>
10    <mat-button-toggle value="Bootstrap">Bootstrap</mat-button-toggle>
11  </mat-button-toggle-group>
12  {{group.value}}
13 </div>

```

Angular React Vue Bootstrap Angular,React,Vue,Bootstrap

Icons

Angular Material - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do RSK Helpline

Angular Material - Agenda

Thumbnails

1. Angular Material Introduction

2. Getting Started with Angular Material

3. How to use Material Module

4. Types of Typography

5. Buttons

6. Button Toggle

7. Icons

8. Badges

9. Progress Spinner

10. Navbar

11. Sidenav

12. Menu

13. List

14. Grid List

15. Expansion Panel

16. Cards

17. Tabs

18. Stepper

19. Input

20. Select

21. Auto Complete

22. Check Box and Radio Buttons

23. Date Picker

24. Tooltip

25. Snackbar

26. Dialog

27. Data Table

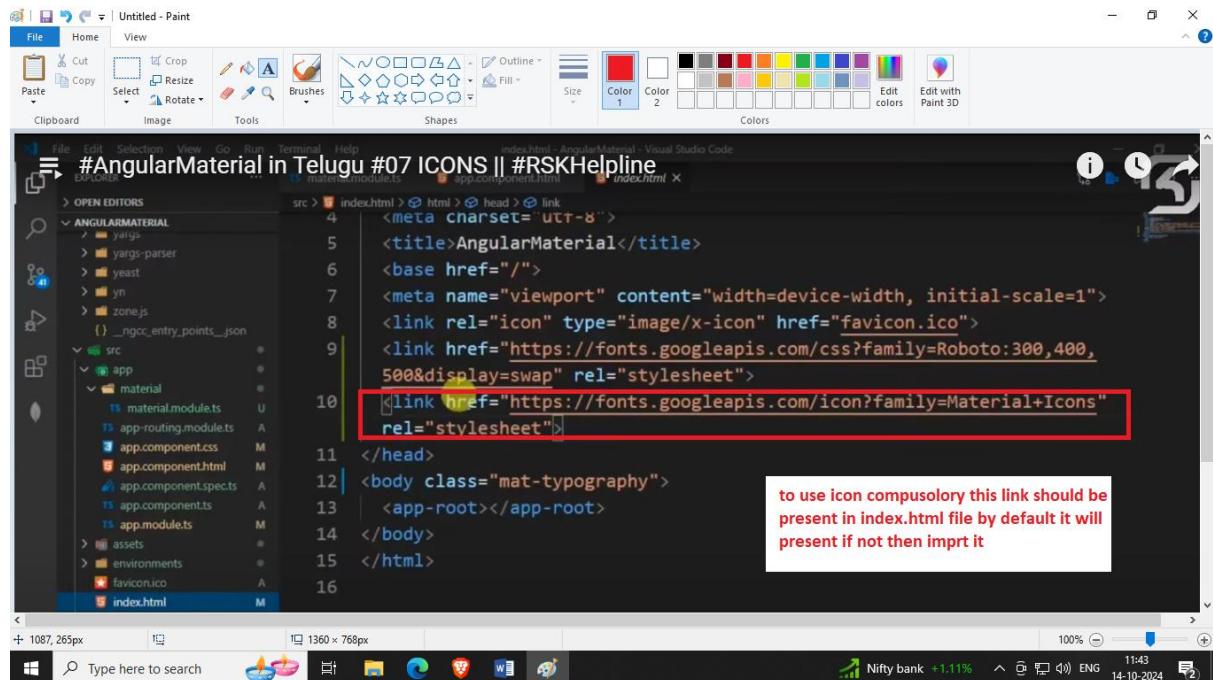
28. Exploring Data Table

29. Filtering Data Table

30. Sorting the Data Table

31. Data Table Pagination

32. Virtual Scrolling



The screenshot shows a browser window displaying the Angular Material documentation for the "Icon" component. The URL is <https://material.angular.io/components/icon/api>.

The page has a purple header with navigation links: Material, Components, CDK, Guides, and a version dropdown set to 11.0.0. The sidebar on the left lists components: Datepicker, Dialog, Divider, Expansion Panel, Form field, Grid list, **Icon**, Input, List, and Menu. The "Icon" section is currently selected.

The main content area is titled "API reference for Angular Material icon". It includes an import statement: `Import {MatIconModule} from '@angular/material/icon';`. Below this, there is a "Services" section with a "MatIconRegistry" component described as a service to register and display icons used by the `<mat-icon>` component. A bulleted list details its functionality:

- Registers icon URLs by namespace and name.
- Registers icon set URLs by namespace.
- Registers aliases for CSS classes, for use with icon fonts.
- Loads icons from URLs and extracts individual icons from icon sets.

The right sidebar contains a tree view of API references under the "Icon" category, including services like MatIconRegistry, directives like MatIcon, and interfaces like IconOptions.

#AngularMaterial in Telugu #07 ICONS || #RSKHelpline

```

src > app > material > material.module.ts > (materialComponents)
1 import { NgModule } from '@angular/core';
2 import { MatButtonModule } from '@angular/material/button';
3 import { MatButtonToggleModule } from '@angular/material/button-toggle';
4 import { MatIconModule } from '@angular/material/icon';

5
6
7
8 const materialComponents = [
9   MatButtonModule,
10  MatButtonToggleModule,
11  MatIconModule
12];
13 @NgModule({
14   imports: [materialComponents],
15   exports: [materialComponents]
16 })
17 export class MaterialModule { }
18

```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

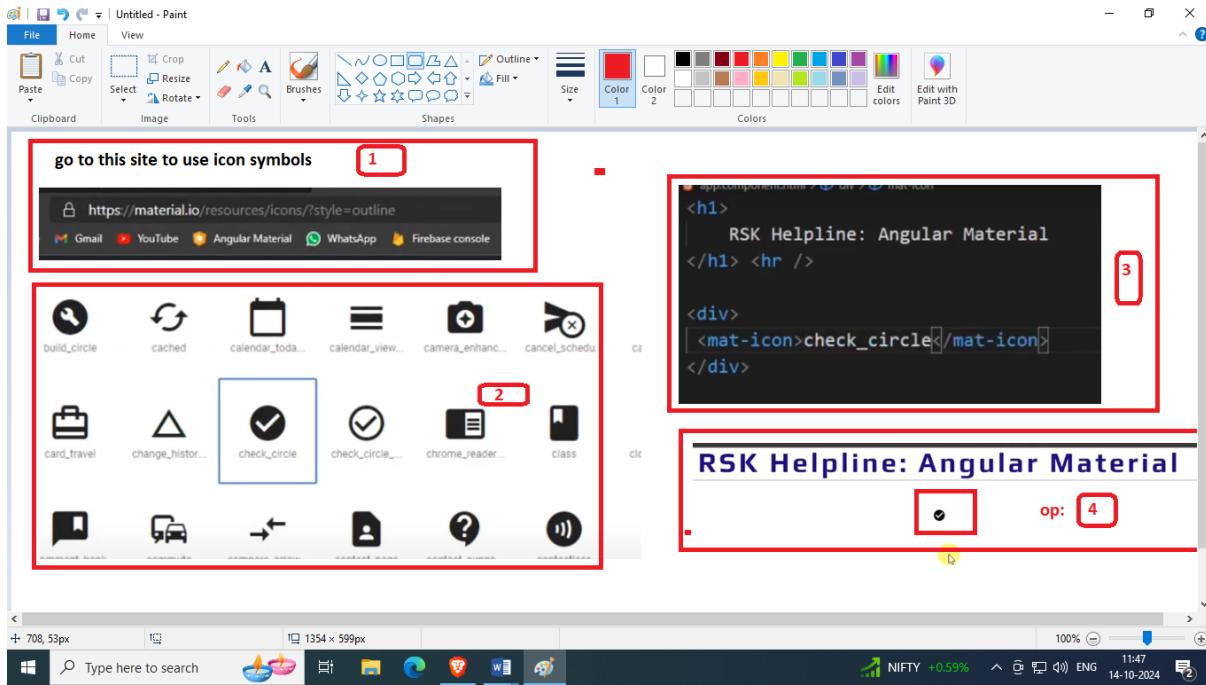
PS E:\PRACTICE\Angular10\AngularMaterial>

: Compiled successfully.

1: powershell, node + ☰ ^ x

11: Col 45 Spaces: 4 UTF-8 LF TypeScript 4.0.3 Prettier 27 PM 11/22/2024

Paste this url in chrome : <https://fonts.google.com/icons>



badges

Angular Material - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do RSK Helpline

Angular Material - Agenda

- 1. Angular Material Introduction
- 2. Getting Started with Angular Material
- 3. How to use Material Module
- 4. Types of Typography
- 5. Buttons
- 6. Button Toggle
- 7. Icons
- 8. Badges**
- 9. Progress Spinner
- 10. Navbar
- 11. Sidenav
- 12. Menu
- 13. List
- 14. Grid List
- 15. Expansion Panel
- 16. Cards
- 17. Tabs
- 18. Stepper
- 19. Input
- 20. Select
- 21. Auto Complete
- 22. Check Box and Radio Buttons
- 23. Date Picker
- 24. Tooltip
- 25. Snackbar
- 26. Dialog
- 27. Data Table
- 28. Exploring Data Table
- 29. Filtering Data Table
- 30. Sorting the Data Table
- 31. Data Table Pagination
- 32. Virtual Scrolling



Slide 21 of 23 English (United States) Search for anything Notes Comments 4:55 PM ENG 11/24/2020

#AngularMaterial in Telugu #08 BADGES || #RSKHelpline

AngularMaterial Badge AngularMaterial https://material.angular.io/components/badge/api

Downloads Google Gmail YouTube Angular Material WhatsApp Firebase console UJALA Credit Coop... Doha Bank India ...

Material Components CDK Guides 11.0.0 GitHub

Badge

Autocomplete

Badge

Bottom Sheet

Button

Button toggle

Card

Checkbox

Chips

Datepicker

Dialog

OVERVIEW API EXAMPLES

API reference for Angular Material badge

```
import {MatBadgeModule} from '@angular/material/badge';
```

Directives

MatBadge

Directive to display a text badge.

Selector: [matBadge]

Properties

Badge

Directives

MatBadge

Type aliases

MatBadgePosition

MatBadgeSize

Testing

Classes

MatBadgeHarness

extends ComponentHarness

Interfaces

BadgeHarnessFilters

1:06 / 9:44

#AngularMaterial in Telugu #08 BADGES || #RSKHelpline

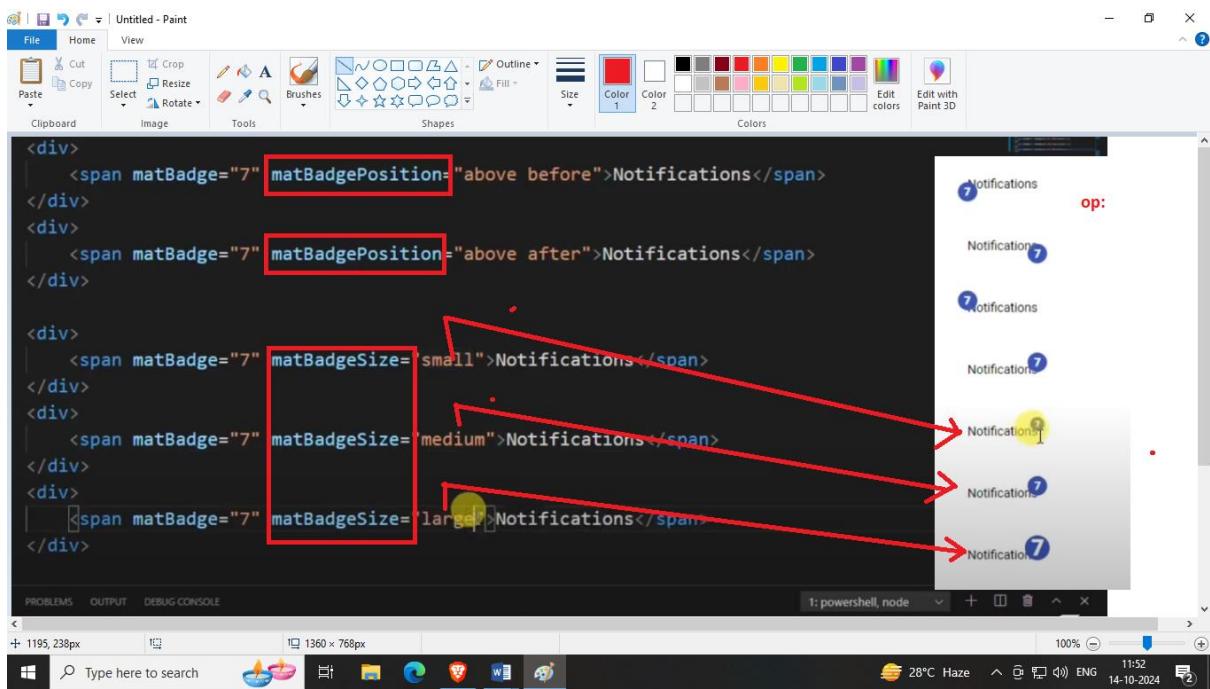
```
src > app > material > material.module.ts > (materialComponents)
1 import { NgModule } from '@angular/core';
2 import { MatButtonModule } from '@angular/material/button';
3 import { MatButtonToggleModule } from '@angular/material/button-toggle';
4 import { MatIconModule } from '@angular/material/icon';
5 import { MatBadgeModule } from '@angular/material/badge';
6
7
8
9
10 const materialComponents = [
11   MatButtonModule,
12   MatButtonToggleModule,
13   MatIconModule,
14   MatBadgeModule
15 ];
16 @NgModule({
17   imports: [materialComponents],
18   exports: [materialComponents]
```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

PS E:\PRACTICE\Angular10\AngularMaterial>

: Compiled successfully.

In 14 Col 46 Spaces: 4 UTF-8 LF TypeScript 4.0.3 Prettier 2.3.1 11:27 PM 11/24/2020



Still some vdo pndng watch later and one more vdo skiped

NavBar

Angular Material - Agenda

- 1. Angular Material Introduction
- 2. Getting Started with Angular Material
- 3. How to use Material Module
- 4. Types of Typography
- 5. Buttons
- 6. Button Toggle
- 7. Icons
- 8. Badges
- 9. Progress Spinner
- 10. Navbar
- 11. Sidenav
- 12. Menu
- 13. List
- 14. Grid List
- 15. Expansion Panel
- 16. Cards
- 17. Tabs
- 18. Stepper
- 19. Input
- 20. Select
- 21. Auto Complete
- 22. Check Box and Radio Buttons
- 23. Date Picker
- 24. Tooltip
- 25. Snackbar
- 26. Dialog
- 27. Data Table
- 28. Exploring Data Table
- 29. Filtering Data Table
- 30. Sorting the Data Table
- 31. Data Table Pagination
- 32. Virtual Scrolling

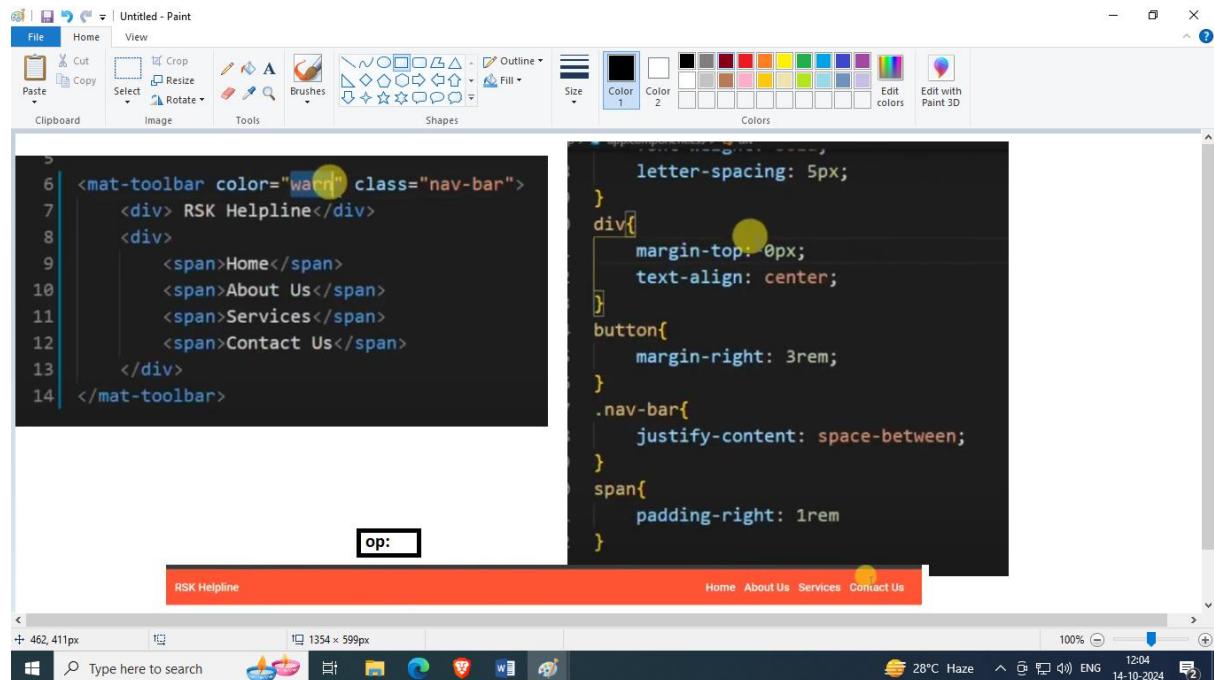
120K 2K SUBSCRIBE

API reference for Angular Material toolbar

```
import {MatToolbarModule} from '@angular/material/toolbar';
```

Bottom Sheet

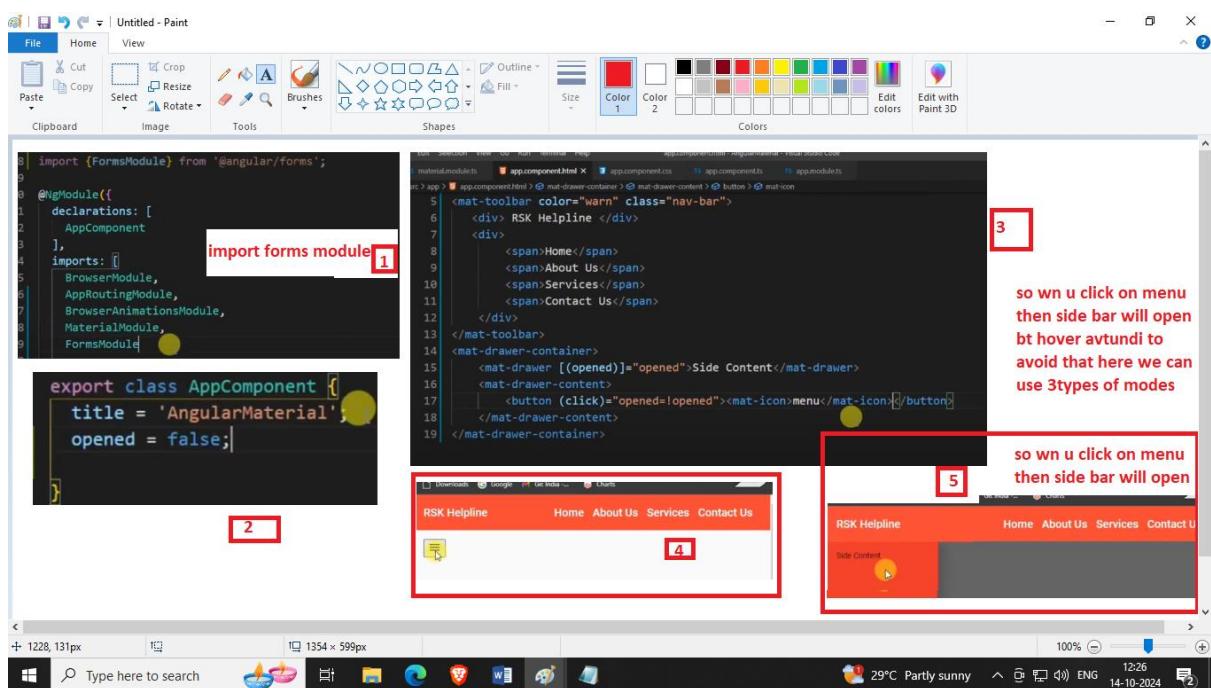
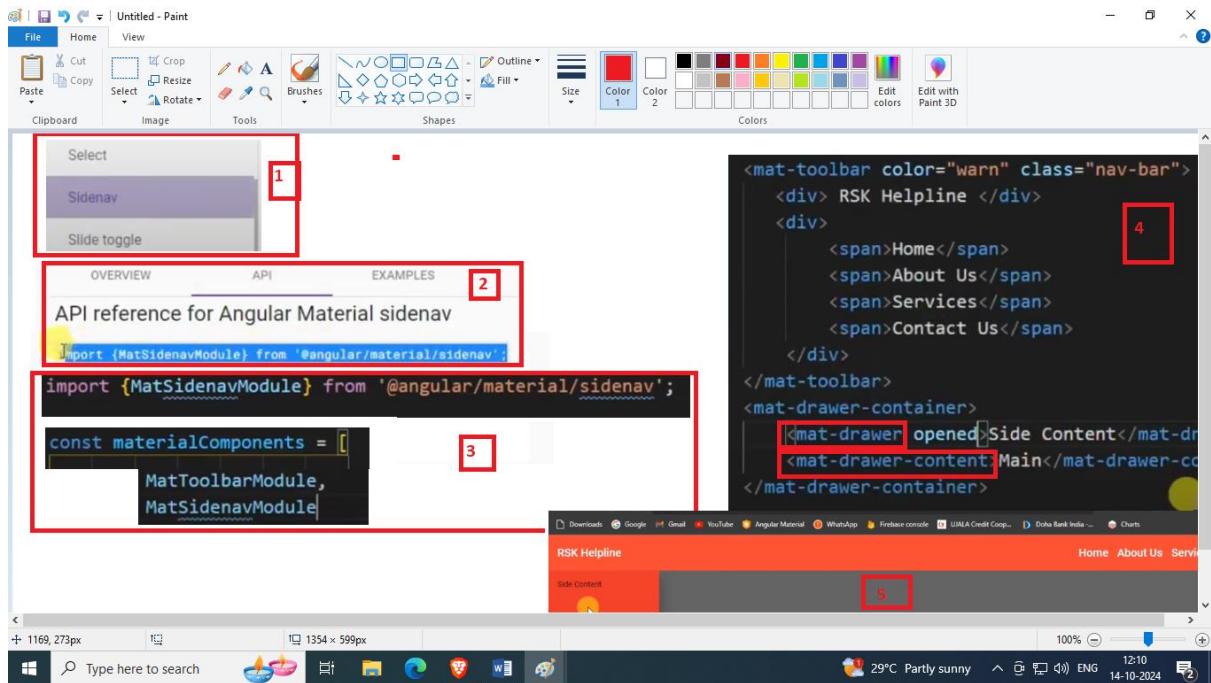
```
const materialComponents = [
  MatButtonModule,
  MatProgressSpinnerModule,
  MatToolbarModule
];
```

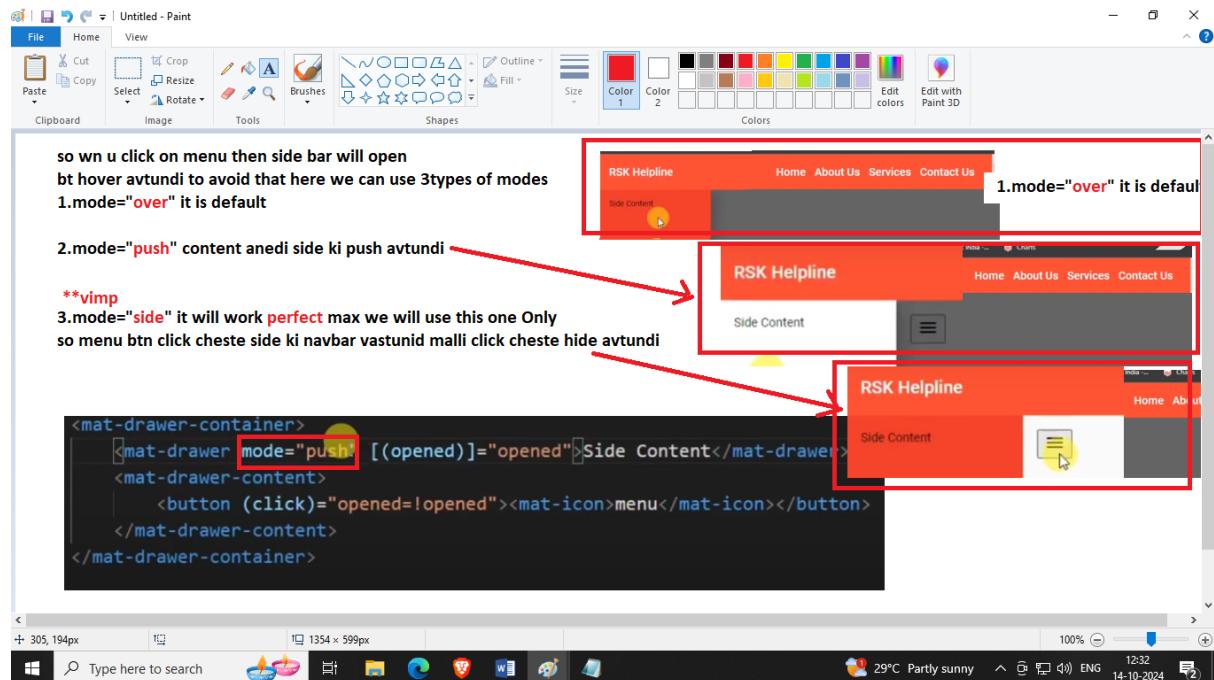


sideNav

Angular Material - Agenda

- 1. Angular Material Introduction
- 2. Getting Started with Angular Material
- 3. How to use Material Module
- 4. Types of Typography
- 5. Buttons
- 6. Button Toggle
- 7. Icons
- 8. Badges
- 9. Progress Spinner
- 10. Navbar
- 11. Sidenav**
- 12. Menu
- 13. List
- 14. Grid List
- 15. Expansion Panel
- 16. Cards
- 17. Tabs
- 18. Stepper
- 19. Input
- 20. Select
- 21. Auto Complete
- 22. Check Box and Radio Buttons
- 23. Date Picker
- 24. Tooltip
- 25. Snackbar
- 26. Dialog
- 27. Data Table
- 28. Exploring Data Table
- 29. Filtering Data Table
- 30. Sorting the Data Table
- 31. Data Table Pagination
- 32. Virtual Scrolling





sideNav by css world telugu

LocalStorage in angular || how to store data in angular | angular material side nav | how to create sidenav| angular material tutorials in telugu #angular

Angular material table| angular material tutorials in telugu |...

Angular Material Tutorials

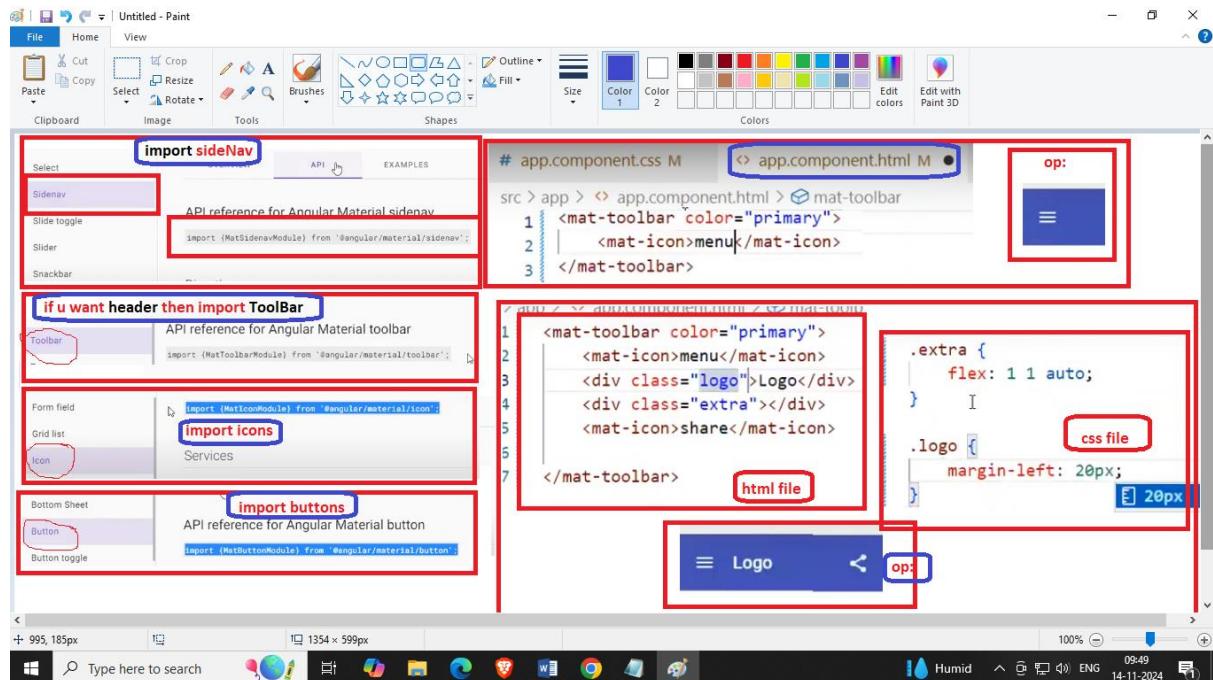
How to setup Admin Application | In Angular | Side Bar in Angular

Angular Real-time Tasks

Context API

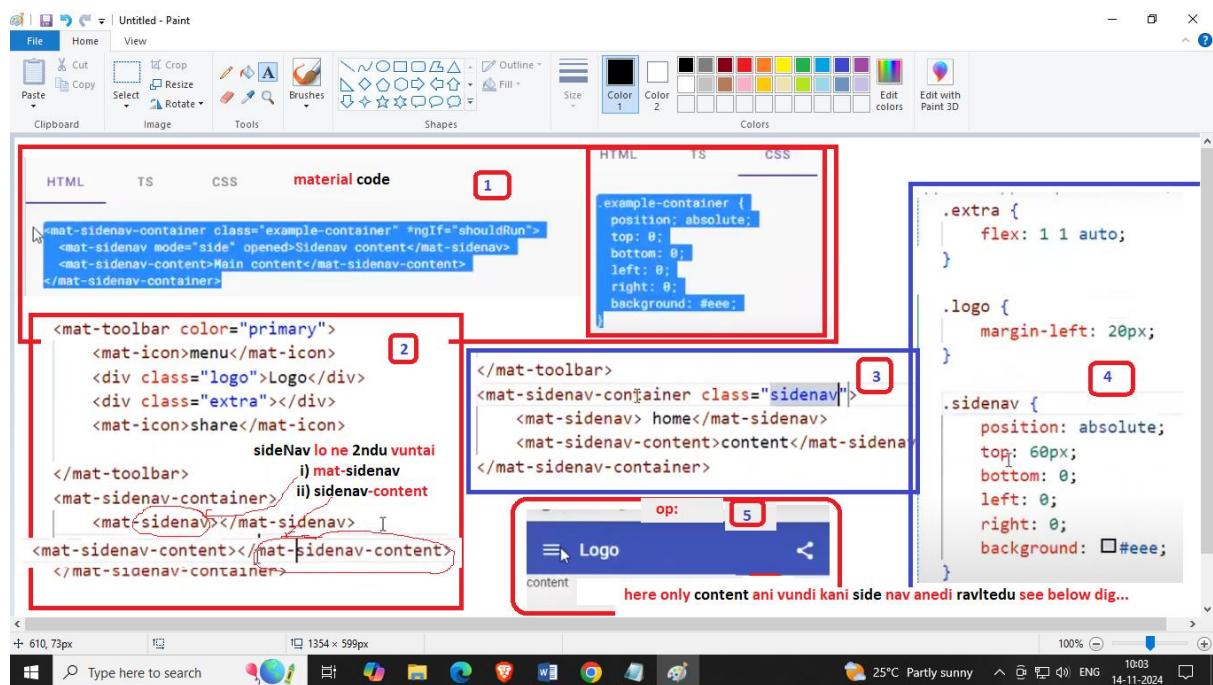
CS World Telugu

Lewis Hamilton and...



sidenav : lo 3 vuntai

- i) sidenav-container -> it is like parent large
- ii) mat-sideNav and
- iii) mat-sidenav-content



Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Tools Shapes Outline Colors Size Colors Edit with Paint 3D

```

<mat-sidenav-container class="sidenav-wrapper">
  <mat-sidenav [opened] home></mat-sidenav>
  <mat-sidenav-content>content</mat-sidenav-content>
</mat-sidenav-container> opened is by default it will be True

```

.sidenav-wrapper{ position: absolute; top: 60px; bottom: 0; left: 0; right: 0; background: #eee; }

mat-sidenav { width: 200px; padding: 20px; }

Logo

home

so wn u clik on menu icon then sideNav will open if u want to close then we have to use

component.css M app.component.html M app.component.ts M

```

<mat-toolbar color="primary">
  <button mat-icon-button (click)="nav.toggle()"><mat-icon>menu</mat-icon></button>
  <div class="logo">Logo</div>
  <div class="extra"></div>
  <mat-icon>share</mat-icon>
</mat-toolbar>
<mat-sidenav-container class="sidenav-wrapper">
  <mat-sidenav [opened]="#nav" home></mat-sidenav>
  <mat-sidenav-content>content</mat-sidenav-content>
</mat-sidenav-container>

```

tempRef variable

Nifty midcap +1.04% 10:17 14-11-2024

Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Tools Shapes Outline Colors Size Colors Edit with Paint 3D

const routes: Routes = [
 { path: "", redirectTo: "/home", pathMatch: "full" },
 { path: "home", component: HomeComponent },
 { path: "profile", component: ProfileComponent },
 { path: "about", component: AboutComponent }
]

remove opened here we created 3 components

<mat-sidenav-container class="sidenav-wrapper">
 <mat-sidenav [opened]="#nav" home></mat-sidenav>
 <mat-sidenav-content>content</mat-sidenav-content>
</mat-sidenav-container>

mat-sidenav-content { display: flex; justify-content: center; align-items: center; font-size: 24px; }

add styles 24px

Logo

home content

mat-toolbar

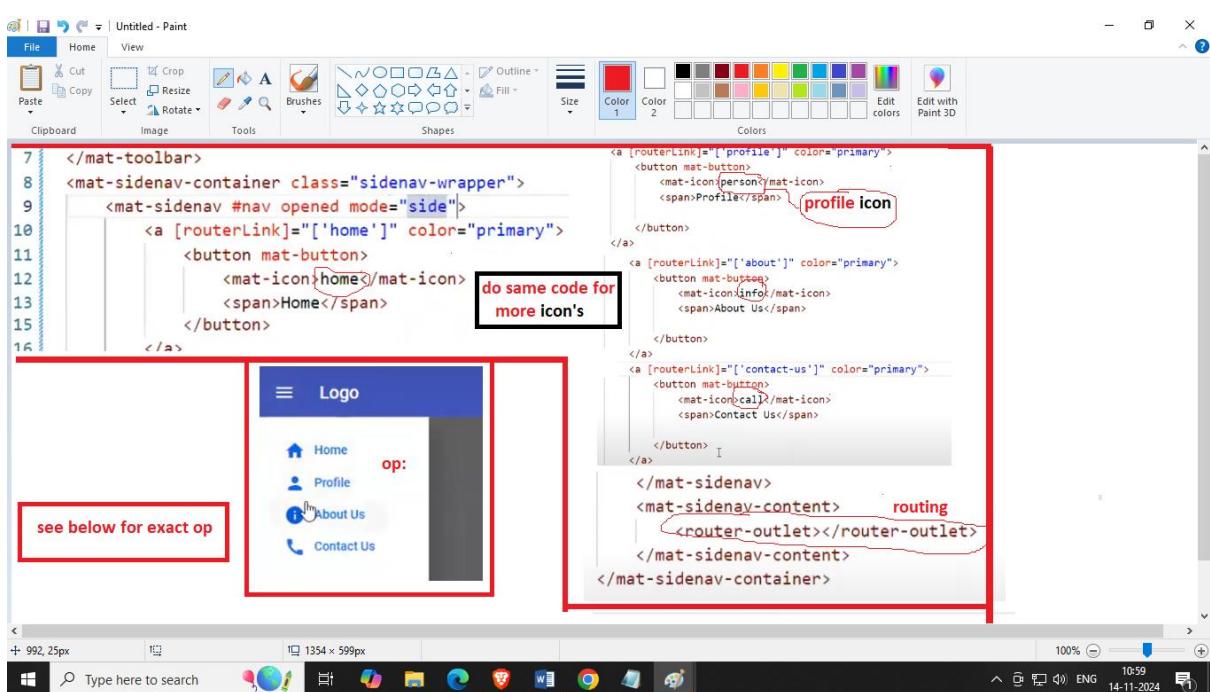
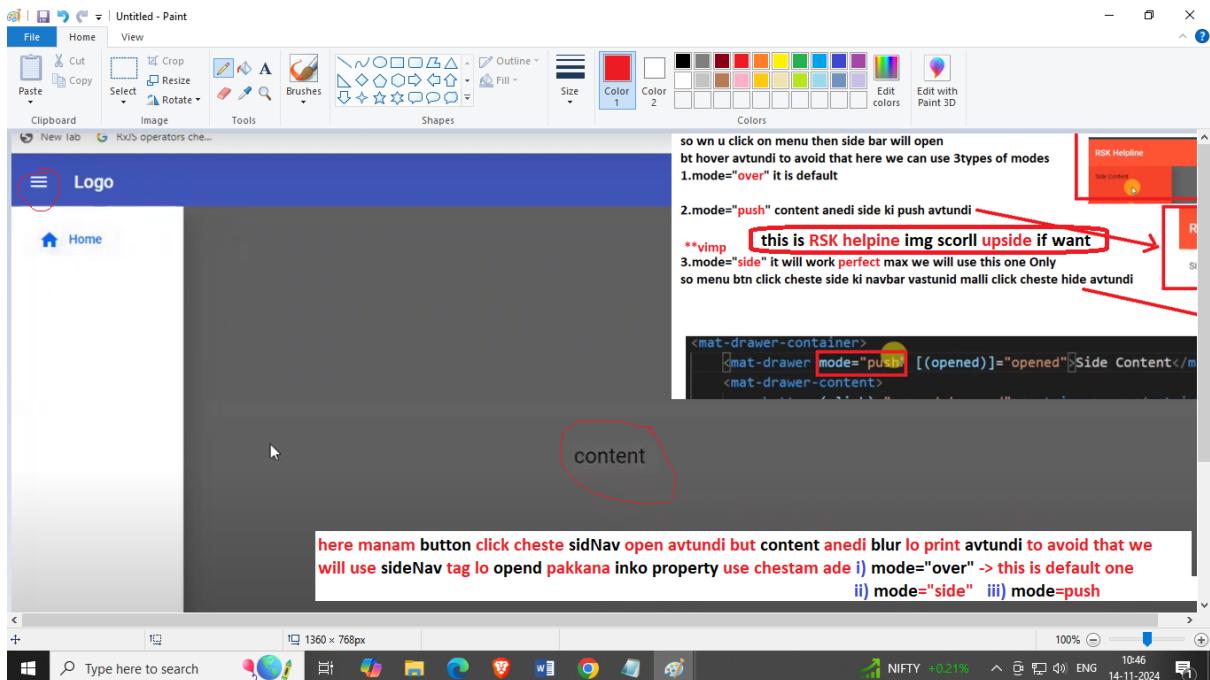
<mat-sidenav-container class="sidenav-wrapper">
 <mat-sidenav #nav>
 <a [routerLink]="'['home']'" color="primary">
 <button mat-button>
 <mat-icon>home</mat-icon>
 Home
 </button>

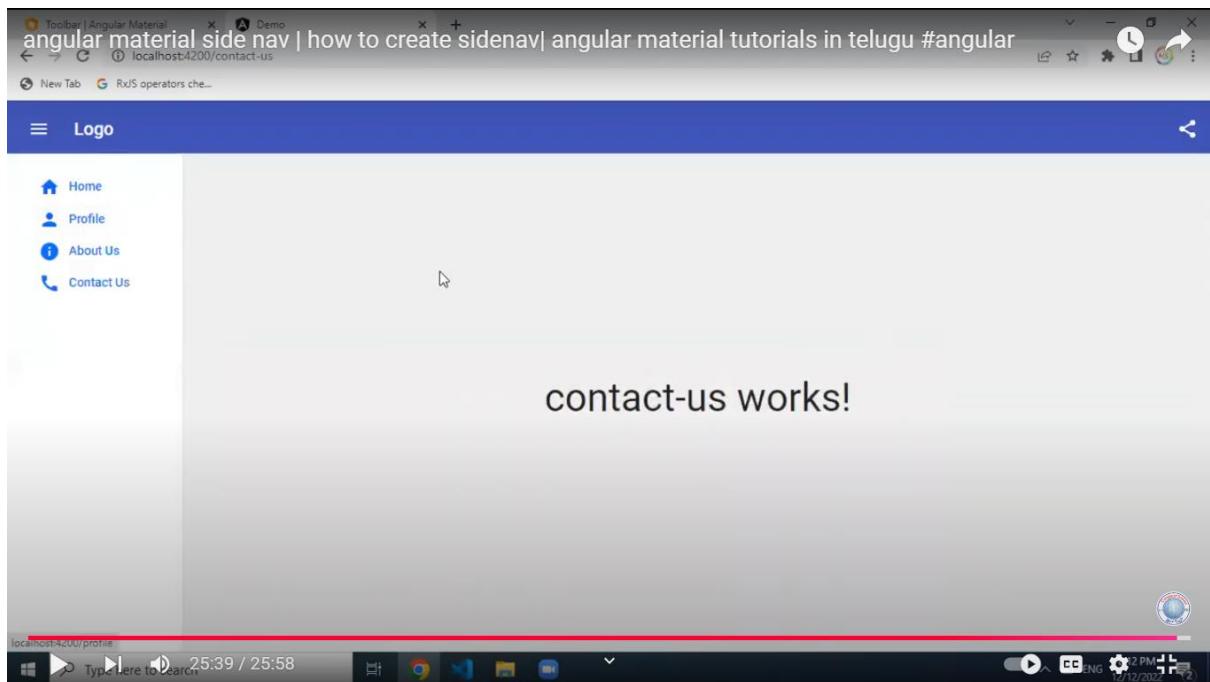
 </mat-sidenav>
 <mat-sidenav-content>
 <button span[margin: 10px;]> op: </button>
 </mat-sidenav-content>
</mat-sidenav-container>

create this icons four see below dig

button span[margin: 10px;] op: 6

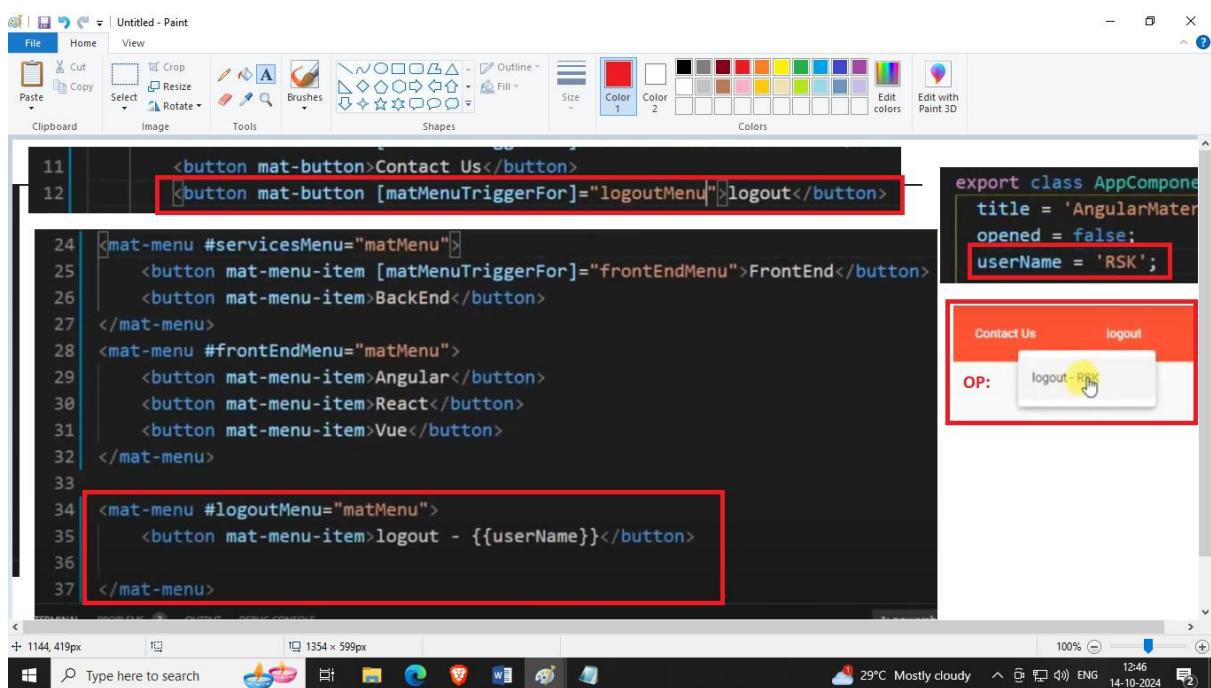
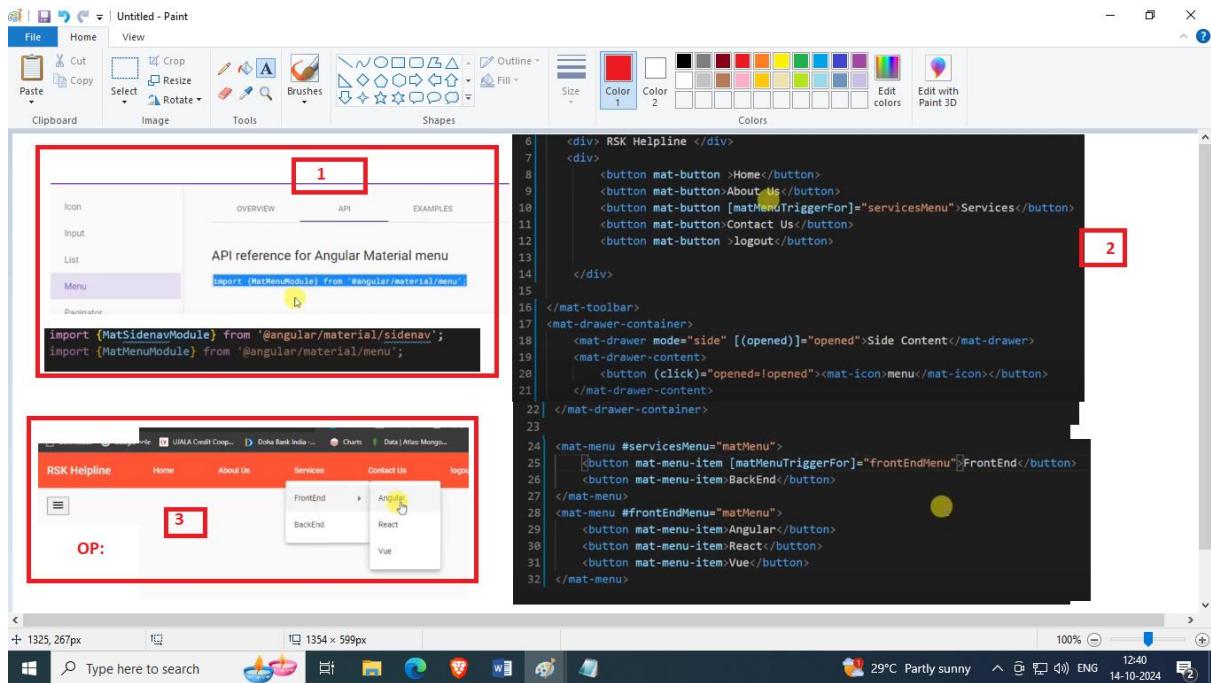
26°C Haze 10:34 14-11-2024





A screenshot of a Microsoft PowerPoint slide titled "Angular Material - Agenda". The slide contains a list of 32 agenda items numbered 1 through 32. To the right of the list is a large, yellow, cartoonish emoji of a smiling face with hands raised in a thumbs-up gesture. The slide is part of a presentation titled "#AngularMaterial in Telugu #12 Menu || #RSKHelpline". The status bar at the bottom shows the slide number "Slide 12 of 31", the language "English (United States)", and the time "0:09 / 7:39".

Item Number	Agenda Item
1.	Angular Material Introduction
2.	Getting Started with Angular Material
3.	How to use Material Module
4.	Types of Typography
5.	Buttons
6.	Button Toggle
7.	Icons
8.	Badges
9.	Progress Spinner
10.	Navbar
11.	Sidenav
12.	Menu
13.	List
14.	Grid List
15.	Expansion Panel
16.	Cards
17.	Tabs
18.	Stepper
19.	Input
20.	Select
21.	Auto Complete
22.	Check Box and Radio Buttons
23.	Date Picker
24.	Tooltip
25.	Snackbar
26.	Dialog
27.	Data Table
28.	Exploring Data Table
29.	Filtering Data Table
30.	Sorting the Data Table
31.	Data Table Pagination
32.	Virtual Scrolling



List

Angular Material - Agenda

- 1. Angular Material Introduction
- 2. Getting Started with Angular Material
- 3. How to use Material Module
- 4. Types of Typography
- 5. Buttons
- 6. Button Toggle
- 7. Icons
- 8. Badges
- 9. Progress Spinner
- 10. Navbar
- 11. Sidenav
- 12. Menu
- 13. List**
- 14. Grid List
- 15. Expansion Panel
- 16. Cards
- 17. Tabs
- 18. Stepper
- 19. Input
- 20. Select
- 21. Auto Complete
- 22. Check Box and Radio Buttons
- 23. Date Picker
- 24. Tooltip
- 25. Snackbar
- 26. Dialog
- 27. Data Table
- 28. Exploring Data Table
- 29. Filtering Data Table
- 30. Sorting the Data Table
- 31. Data Table Pagination
- 32. Virtual Scrolling



Untitled - Paint

File Home View

Cut Copy Paste Select Crop Rotate Tools Brushes Shapes Colors Size Edit colors Edit with Paint 3D

LIST

OVERVIEW API EXAMPLES

API reference for Angular Material list

```
import {MatListModule} from '@angular/material/list';
```

Divider Expansion Panel Form field Grid list Icon Input List MatNavList

op: RSK Helpline

wn u click on menuBtn then links will come and if u want to add divider then see below diagram

```
<mat-drawer-container>
<mat-drawer mode="side" [(opened)]="opened">
  <mat-nav-list>
    <a mat-list-item href="#"><mat-icon>home</mat-icon> Home</a>
    <a mat-list-item href="#"> <mat-icon>security</mat-icon> Security</a>
    <a mat-list-item href="#"> <mat-icon>folder</mat-icon> Folder</a>
  </mat-nav-list>
</mat-drawer>
<mat-drawer-content>
```

1184x428px 1354x599px 100% 29°C Mostly cloudy ENG 14-10-2024

so op: diveders laga vastundi

The screenshot shows the Microsoft Paint application window. In the top-left corner, there is a small preview of the Angular Material divider API reference page. The title 'Divider' is highlighted with a red box. Below it, the code snippet for the 'mat-divider' component is shown, with the line 'import {MatDividerModule} from '@angular/material/divider';' also highlighted with a red box. To the right of the code, a screenshot of a sidebar menu titled 'RSK Helpline' is displayed, featuring three items: 'Home', 'Security' (which is currently selected and highlighted with a blue box), and 'Folder'. The status bar at the bottom of the Paint window shows the date and time as 14-10-2024.

```

18 <mat-drawer-container>
19   <mat-drawer mode="side" [(opened)]="opened">
20     <mat-nav-list>
21       <a mat-list-item href="#"><mat-icon>home</mat-icon> Home</a>
22     </mat-nav-list>
23     <mat-divider></mat-divider>
24     <mat-nav-list>
25       <a mat-list-item href="#"><mat-icon>security</mat-icon> Security</a>
26     </mat-nav-list>
27     <mat-nav-list>
28       <a mat-list-item href="#"><mat-icon>folder</mat-icon> Folder</a>
29     </mat-nav-list>
30   </mat-drawer>
31   <mat-drawer-content>
32
33
34
35

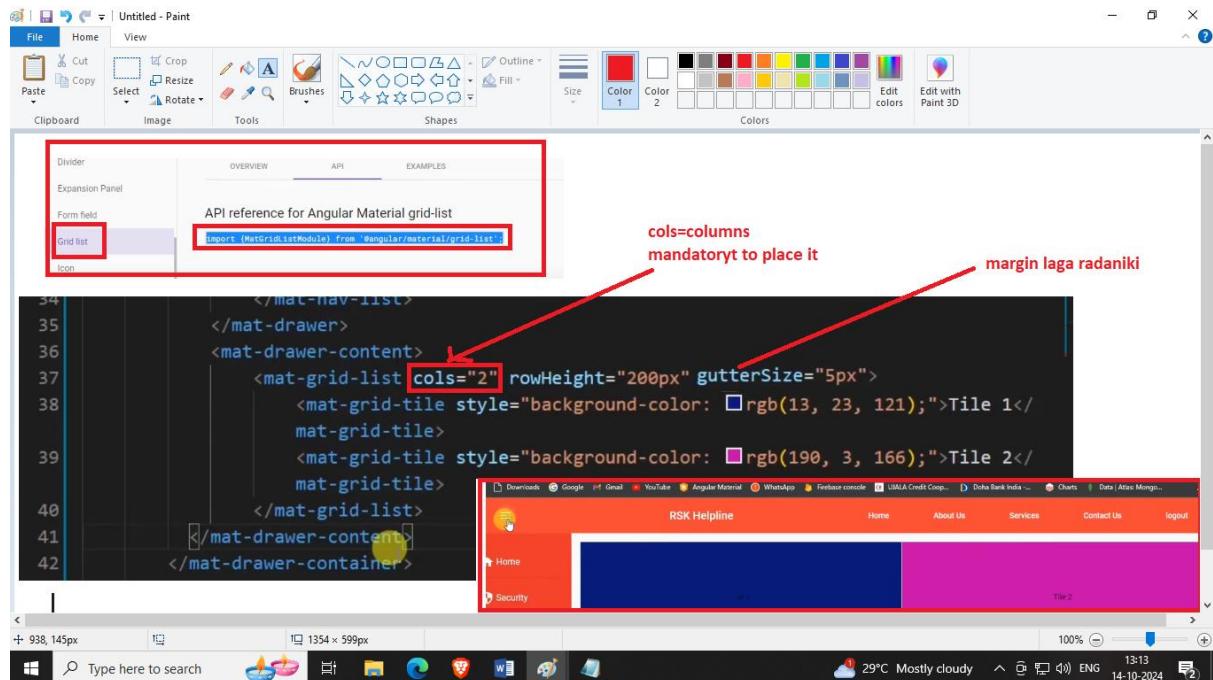
```

Grid List

The screenshot shows a Microsoft PowerPoint slide titled 'Angular Material - Agenda'. The slide contains a bulleted list of 32 items, each preceded by a small yellow circular icon. The items are:

1. Angular Material Introduction
2. Getting Started with Angular Material
3. How to use Material Module
4. Types of Typography
5. Buttons
6. Button Toggle
7. Icons
8. Badges
9. Progress Spinner
10. Navbar
11. Sidenav
12. Menu
13. List
14. Grid List
15. Expansion Panel
16. Cards
17. Tabs
18. Stepper
19. Input
20. Select
21. Auto Complete
22. Check Box and Radio Buttons
23. Date Picker
24. Tooltip
25. Snackbar
26. Dialog
27. Data Table
28. Exploring Data Table
29. Filtering Data Table
30. Sorting the Data Table
31. Data Table Pagination
32. Virtual Scrolling

A large, cartoonish yellow smiley face emoji is positioned on the right side of the slide. The status bar at the bottom of the PowerPoint window shows the date and time as 12/3/2020.



Expression Panel

The screenshot shows a Microsoft PowerPoint slide titled "Angular Material - Agenda". The slide has a blue header bar with the title and a navigation bar below it. The main content area contains a list of 32 agenda items, divided into two columns:

- Left Column:**
 - 1. Angular Material Introduction
 - 2. Getting Started with Angular Material
 - 3. How to use Material Module
 - 4. Types of Typography
 - 5. Buttons
 - 6. Button Toggle
 - 7. Icons
 - 8. Badges
 - 9. Progress Spinner
 - 10. Navbar
 - 11. Sidenav
 - 12. Menu
 - 13. List
 - 14. Grid List
 - 15. Expansion Panel**
 - 16. Cards
 - 17. Tabs
 - 18. Stepper
 - 19. Input
 - 20. Select
- Right Column:**
 - 21. Auto Complete
 - 22. Check Box and Radio Buttons
 - 23. Date Picker
 - 24. Tooltip
 - 25. Snackbar
 - 26. Dialog
 - 27. Data Table
 - 28. Exploring Data Table
 - 29. Filtering Data Table
 - 30. Sorting the Data Table
 - 31. Data Table Pagination
 - 32. Virtual Scrolling

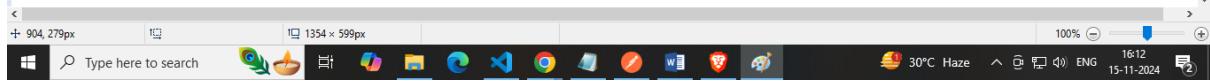
On the right side of the slide, there is a large, cartoonish yellow emoji of a smiling face with hands near its head, looking surprised or excited.

The bottom status bar shows "Slide 35 of 37", "English (United States)", and other system information: Notes, Comments, 6:56 AM, 12/4/2020.

The screenshot shows the Microsoft Paint application window titled "Untitled - Paint". The main area contains the following code:

```
expansion-panel
parent-open tag <mat-expansion-panel>
  <mat-expansion-panel-header> Header </mat-expansion-panel-header>
  <mat-panel-title> Title </mat-panel-title>
  <mat-panel-description>Description</mat-panel-description>
  <mat-action-row>for Button</mat-action-row> => for actions
parent-close tag </mat-expansion-panel>
```

Annotations include a blue bracket around the entire code block, a red box around the opening tag, and a red box around the closing tag.

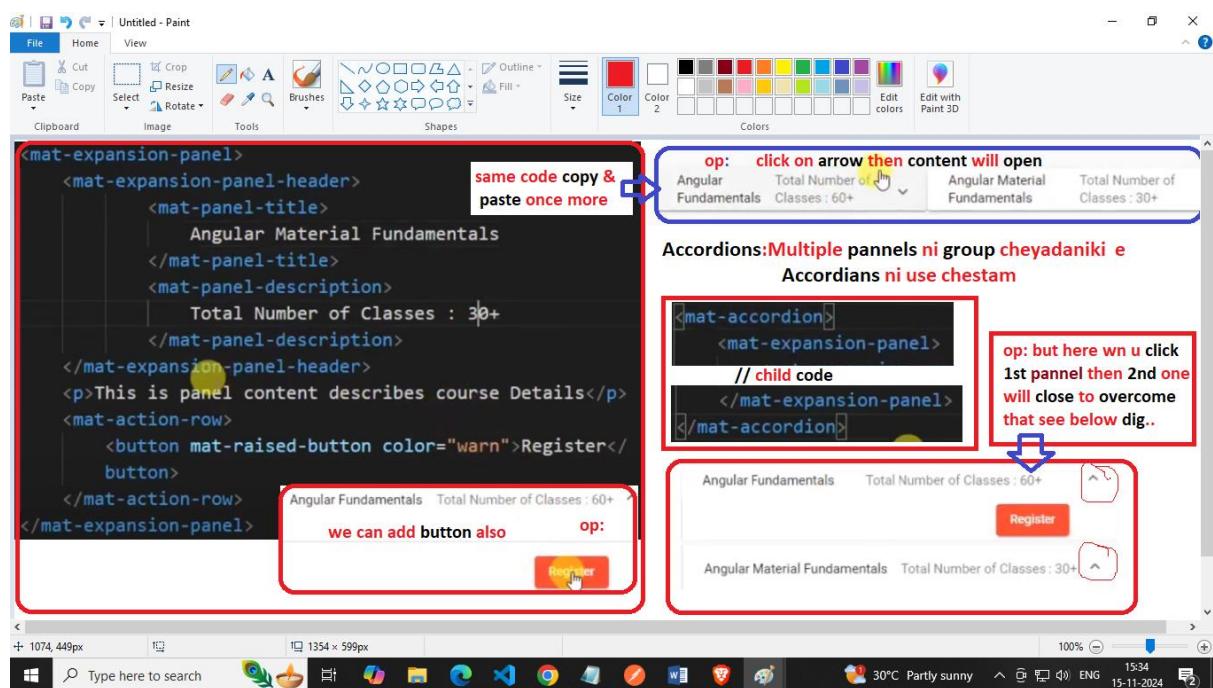
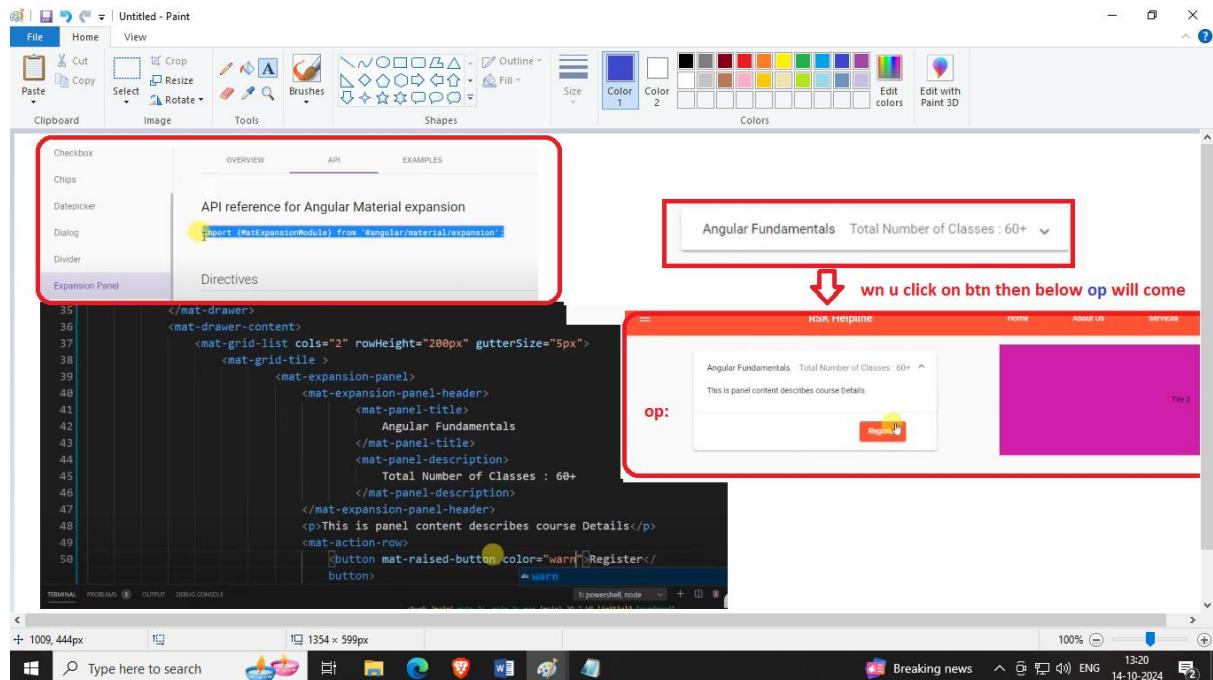


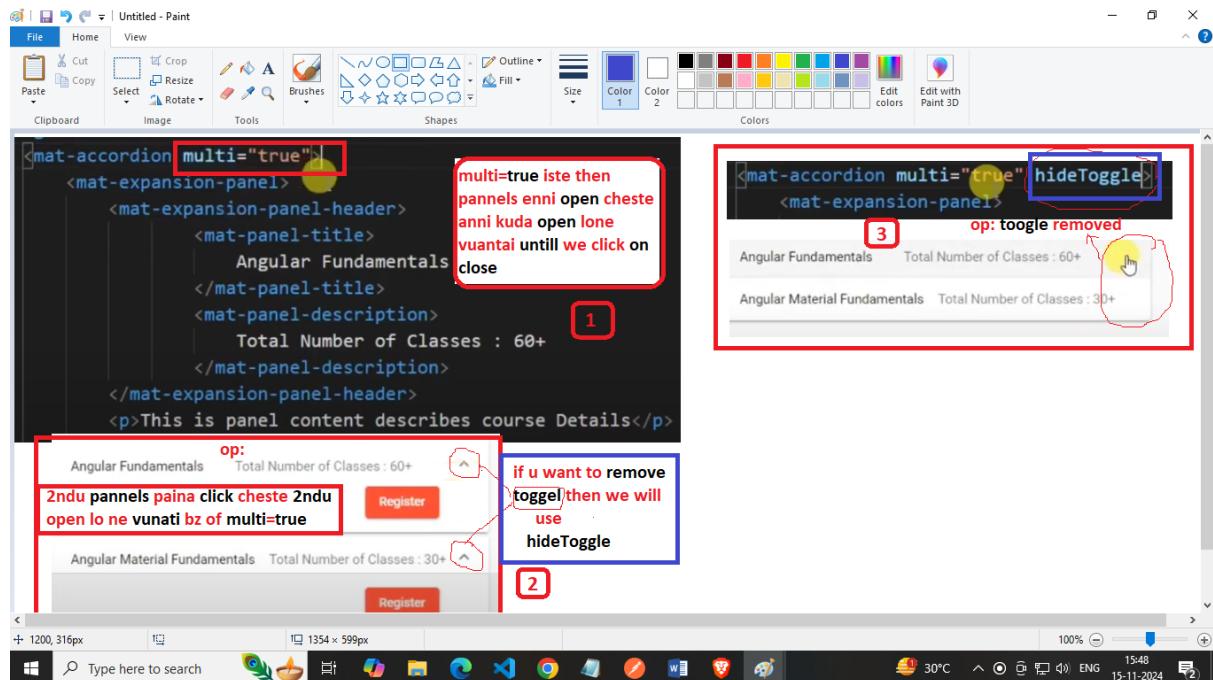
The screenshot shows the Microsoft Paint application window titled "Untitled - Paint". The main area contains the following code:

```
header tag is mandatory, else we will not get op:
parent
<mat-expansion-panel class="panel">
  <!-- Header-Part -->
  <mat-expansion-panel-header>
    <h1>ANGULAR </h1>
  </mat-expansion-panel-header>
  <!-- Title-Part -->
  <mat-panel-title>
    <h3>hello title</h3>
  </mat-panel-title>
  <!-- Description-Part -->
  <mat-panel-description>
    <p>hello description</p>
  </mat-panel-description>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Fuga
similique, atque magnam earum exercitationem quibusdam libero
Quam, molestiae officia.</p>
</mat-expansion-panel>
```

Annotations include a red box around the opening tag, a red box around the header tag, and a red box around the entire code block. A red arrow points from the text "header tag is mandatory, else we will not get op:" to the header tag in the code.







Some vdo pndng and lots of vdos skipped watch later

Angular material by css world

The screenshot shows a browser window with the following details:

- YouTube Search Bar:** angular material by css world telugu
- Left Side:** A demo application window titled "Angular Material Form Field Component" showing input fields for Name, Email, Mobile, Input, Country, and Address.
- Right Side:** A sidebar titled "Angular Material Tutorials" listing 13 video thumbnails. The first few are:
 - angular material cards | Angular material tutorials |... CS World Telugu
 - Angular material autocomplete|Angular materi... CS World Telugu
 - Angular material form | Angular material form input... CS World Telugu
 - Angular material radiobutton|Angular material... CS World Telugu
 - angular material dialog component | Angular materia... CS World Telugu
- Bottom Status Bar:** CS World Telugu, Type here to search, system icons, and a date/time stamp: 15:17 24-10-2024.

Angular Material - Agenda

- 1. Angular Material Introduction
- 2. Getting Started with Angular Material
- 3. How to use Material Module
- 4. Types of Typography
- 5. Buttons
- 6. Button Toggle
- 7. Icons
- 8. Badges
- 9. Progress Spinner
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- 19. Input
- 20. Select
- 21. Auto Complete
- 22. Check Box and Radio Buttons
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- 30. Sorting the Data Table
- 31. Data Table Pagination
- 32. Virtual Scrolling

#AngularMaterial in Telugu #23 Date Picker || #RSKHelpline

RSK HelpLine 12.2K subscribers Join Subscribe 16 Share Download Type here to search Weather 29°C Mostly cloudy 16:34 30-10-2024

API reference for Angular Material datepicker

```
import {MatDatepickerModule} from '@angular/material/datepicker';
import {MatNativeDateModule} from '@angular/material/core';
```

import this 2 files

```
MatDatepickerModule,
MatNativeDateModule
```

Code starts-->

```
<mat-form-field>
  <input matInput [matDatepicker]="myDatePicker">
  <mat-datepicker-toggle matSuffix [for]="myDatePicker" ></mat-datepicker-toggle>
  <mat-datepicker #myDatePicker></mat-datepicker>
</mat-form-field>
```

ref variable

1 2 3 4 5 6 7

opened = false;
userName = 'RSK';
minDate = new Date();
maxDate = new Date(2021, 0, 15);

dateFilter = date => {
 const day = date.getDay();
 return day != 0 && day != 6;
}

ts.file

op: JAN 2021 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

sat-sun's will be disabled by default

Type here to search Weather 29°C Mostly cloudy 16:44 30-10-2024

YouTube IN

angular material by css world telugu

Dialog | Angular Material

material.angular.io/components/dialog/overview

Angular Material Tutorials
CS World Telugu - 13 / 16

9 angular material cards |
Angular material tutorials |...
CS World Telugu 23:27

10 Angular material autocomplete|Angular materi...
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11 Angular material form |
Angular material form input...
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12 Angular material radiobutton|Angular material...
CS World Telugu 16:37

13 angular material dialog component | Angular materia...
CS World Telugu 32:11

14 angular material snack bar |
snack bar in angular material |...
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SnackBar

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Angular Material - Agenda

1. Angular Material Introduction
2. Getting Started with Angular Material
3. How to use Material Module
4. Types of Typography
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19. Input
20. Select
21. Auto Complete
22. Check Box and Radio Buttons
23. Date Picker
24. Tooltip
25. Snackbar
26. Dialog
27. Data Table
28. Exploring Data Table
29. Filtering Data Table
30. Sorting the Data Table
31. Data Table Pagination
32. Virtual Scrolling

RSK Helpline

#AngularMaterial in Telugu #25 Snack-bar || #RSKHelpline

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RSK Helpline - 25 / 42

22 Checkbox Radio Buttons #22 Checkbox and Radio...
RSK Helpline 5:42

23 Date Picker #23 Date Picker ||...
RSK Helpline 8:40

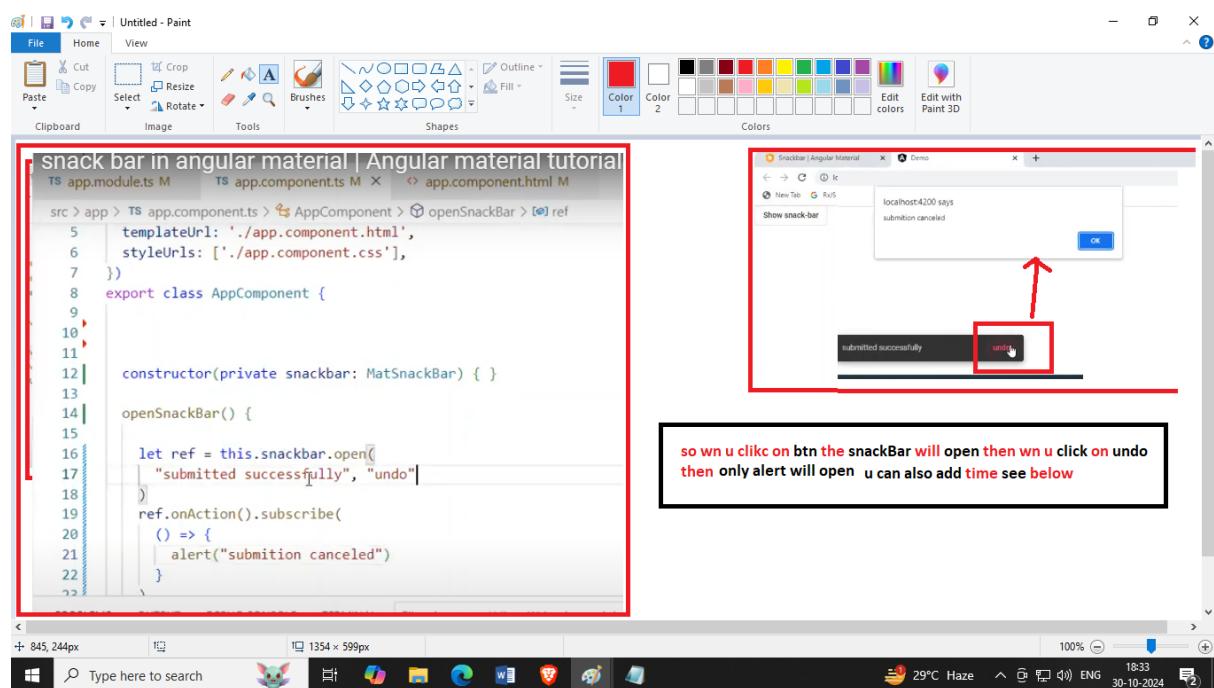
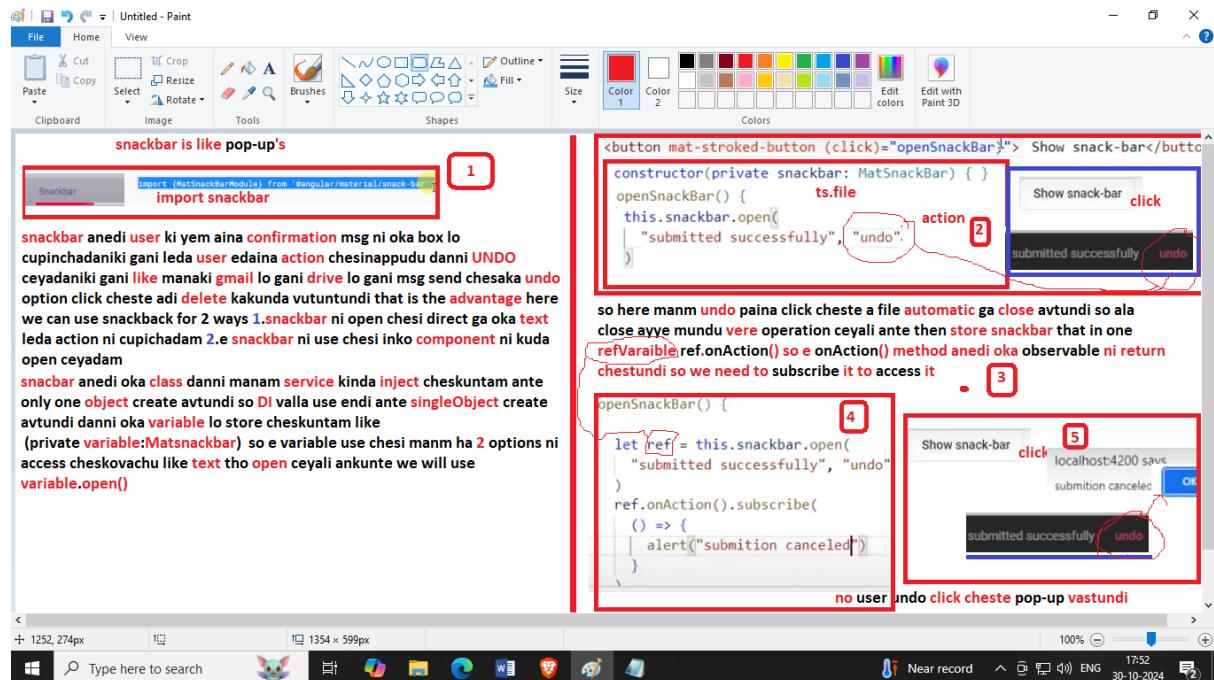
24 Tooltip #24 Tooltip || #RSKHelpline
RSK Helpline 4:58

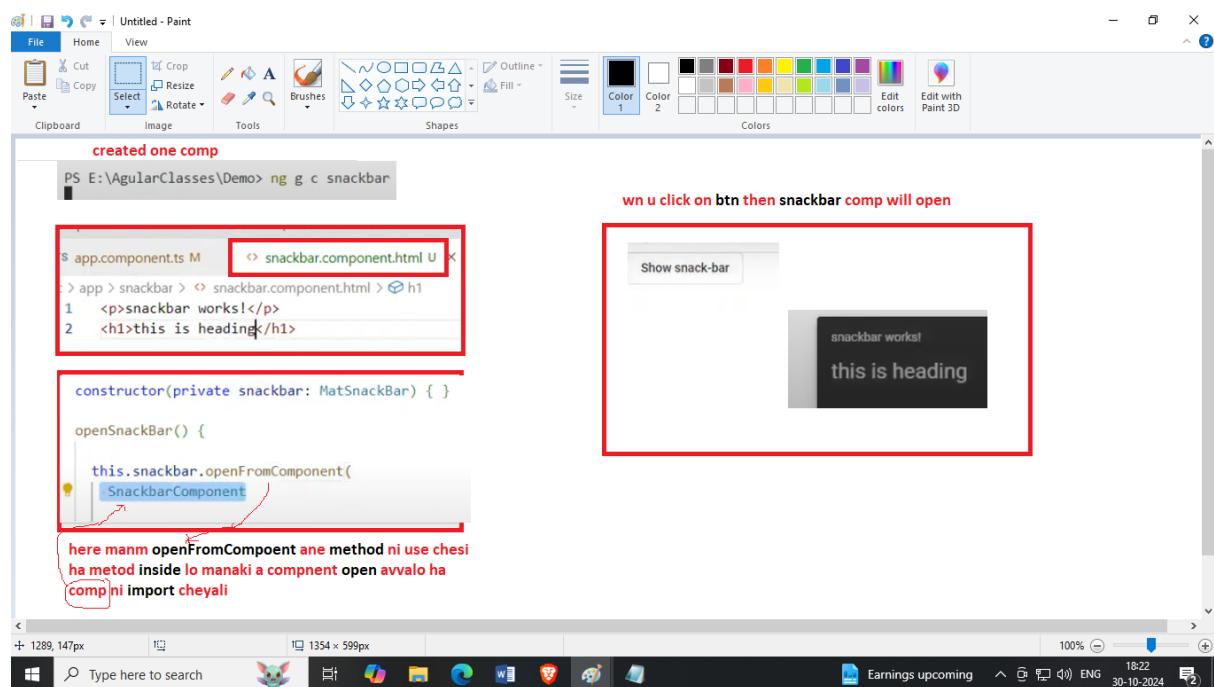
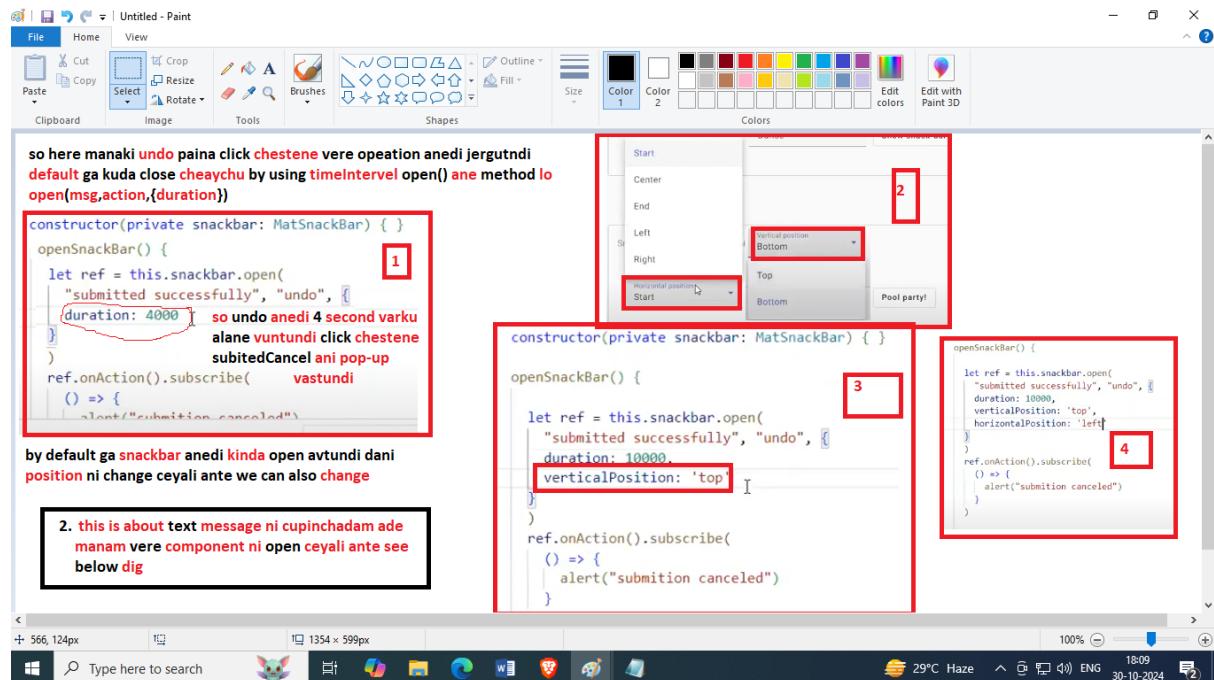
25 Snackbar #AngularMaterial in Telugu #25 Snack-bar || #RSKHelpline
RSK Helpline 8:23

26 Dialog #AngularMaterial in Telugu #26 Dialog || #RSKHelpline
RSK Helpline 14:56

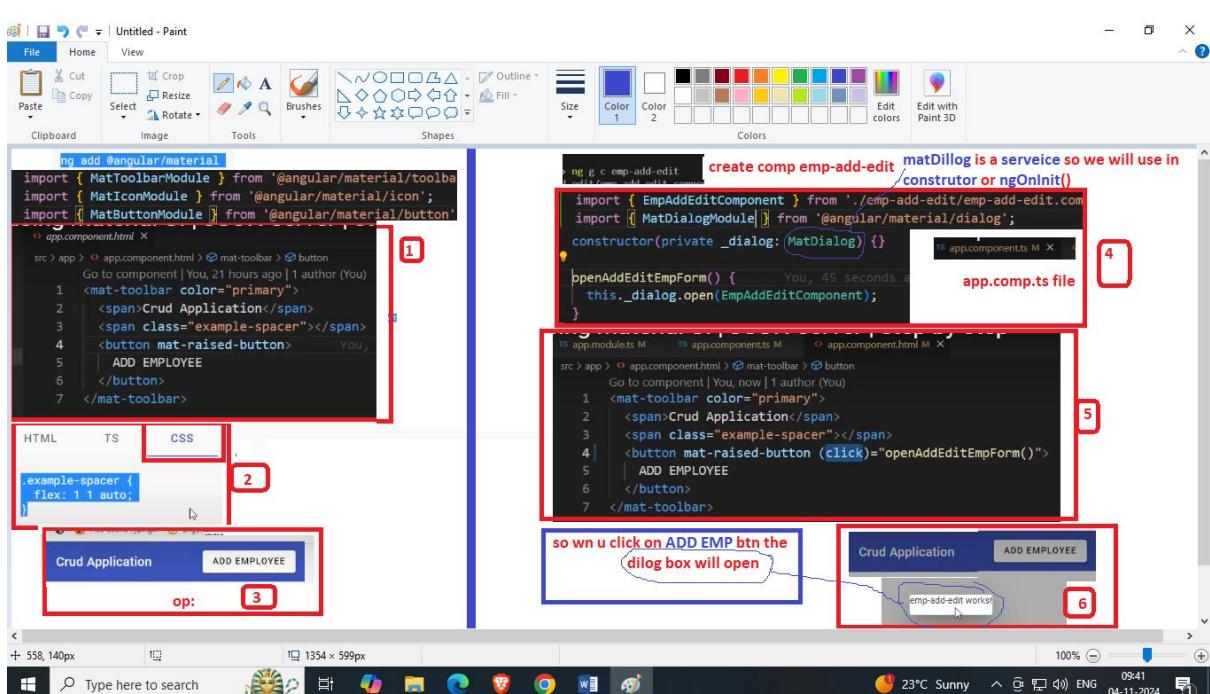
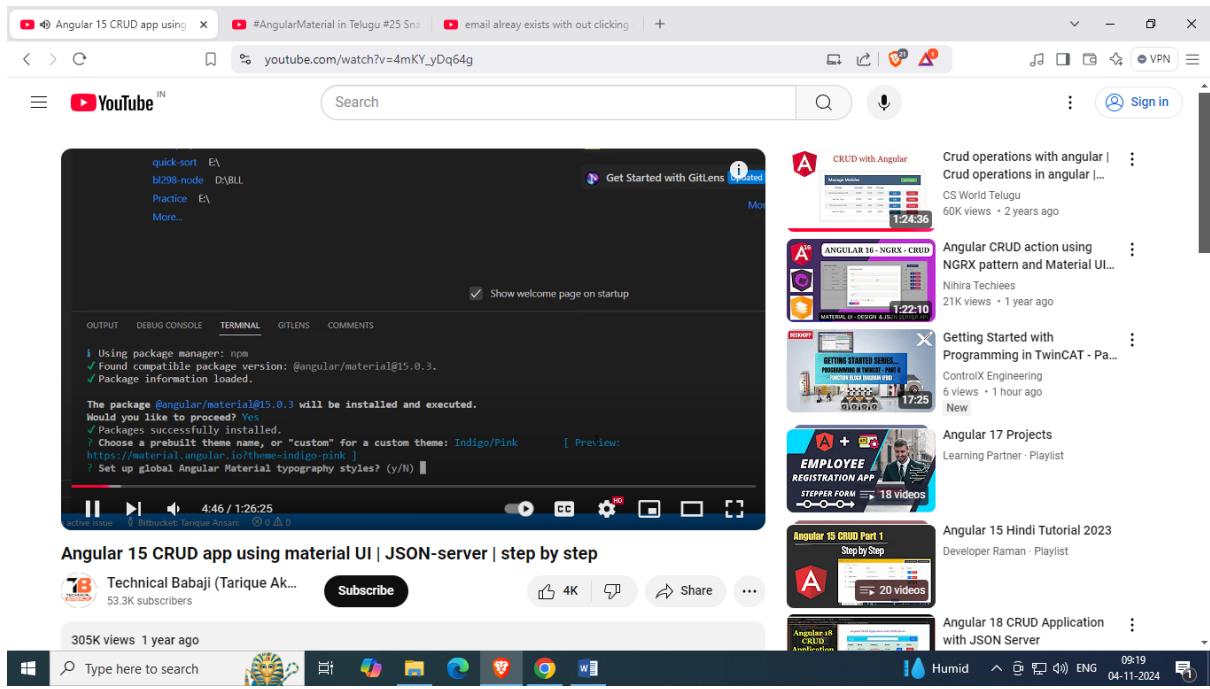
27 Tables #AngularMaterial in Telugu #27 Tables Introduction ||...
RSK Helpline

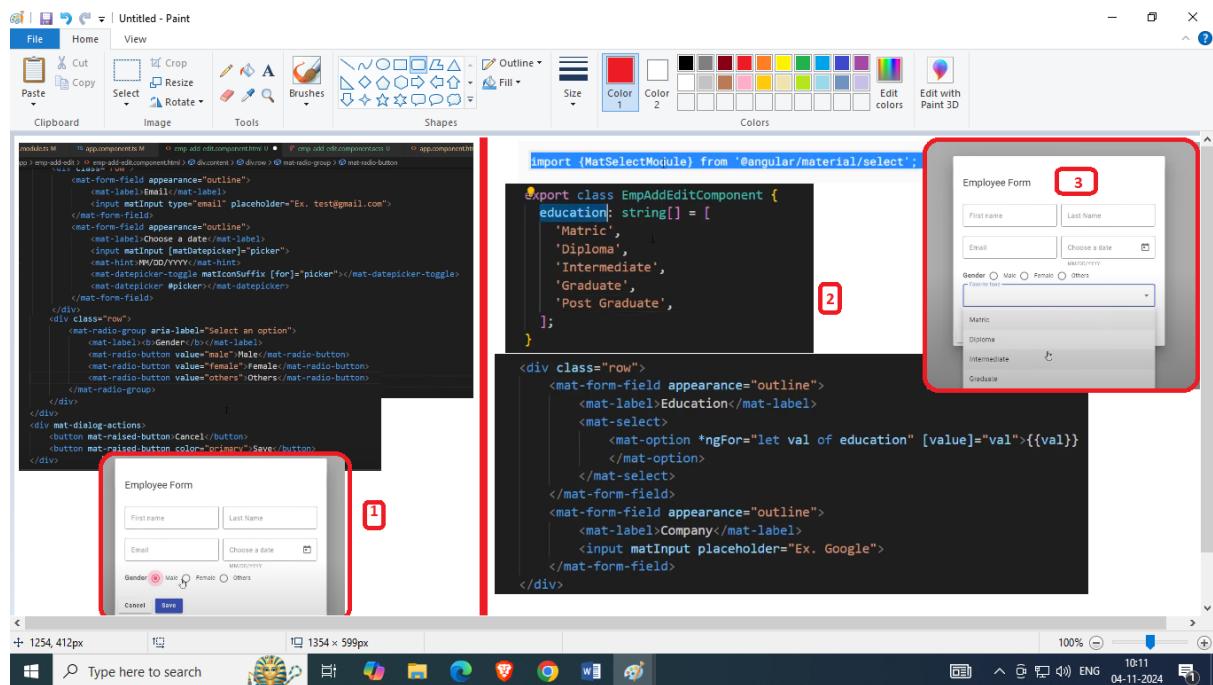
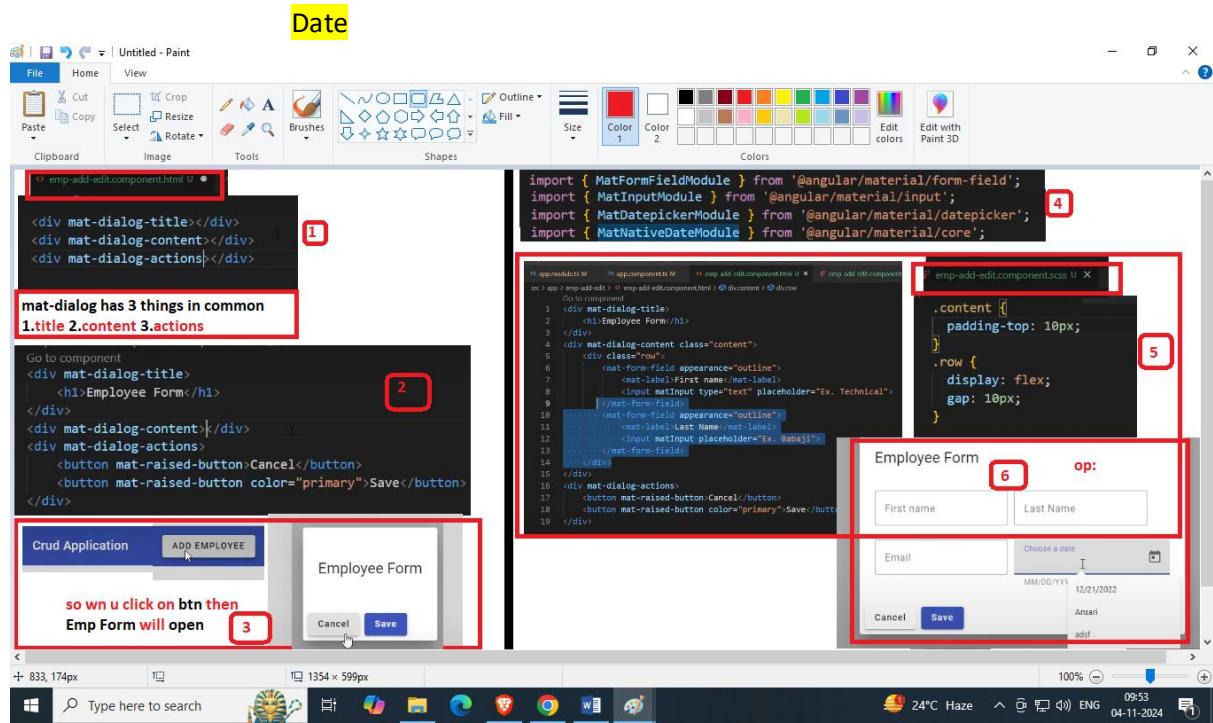
Near record 16:44 30-10-2024





Crud using angular material





Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Tools Shapes Colors Size

Clipboard Image ReactiveFormsModule import ReactiveForms

Employee Form

```
<mat-label>Experience</mat-label>
<input matInput placeholder="Ex. 4" type="number">
```

1

```
<mat-form-field appearance="outline">
<mat-label>Package</mat-label>
<input matInput placeholder="Ex. 12" type="number">
<mat-hint>In rupees</mat-hint>
</mat-form-field>
```

2

```
</div>
<div mat-dialog-actions class="action">
<button mat-raised-button>Cancel</button>
<button mat-raised-button color="primary" type="submit">Save</button>
</div>
```

3

```
.content {
1 padding-top: 10px;
2 }
.row {
3 display: flex;
4 gap: 10px;
5 width: 100%;
6 }
.action {
7 padding: 8px 25px 28px;
8 button {
9 flex: 1;
10 }
```

4

```
ReactiveFormsModule import ReactiveForms
```

5

```
<div mat-dialog-title>
<h1>Employee Form</h1>
</div>
<form [formGroup]="empForm" (ngSubmit)="onFormSubmit()">
<div mat-dialog-content class="content">
<div class="row">
<mat-form-field appearance="outline">
<mat-label>First name</mat-label>
<input matInput type="text" placeholder="Ex. Technical" formControlName="firstName">
</mat-form-field>
<div mat-dialog-actions class="action">
<button mat-raised-button>Cancel</button>
<button mat-raised-button color="primary" type="submit" (click)="onFormSubmit()">> Save</button>
</div>
```

6

```
export class EmpAddEditComponent {
  empForm: FormGroup;
  education: string[] = [
    'Matric',
    'Diploma',
    'Degree',
    'Post Graduation'
  ];
  constructor(private _fb: FormBuilder) {
    this.empForm = this._fb.group({
      firstName: '',
      lastName: '',
      email: '',
      dob: '',
      gender: 'Male',
      education: 'Matric',
      package: 0,
      experience: 0
    });
  }

  onFormSubmit() {
    if (this.empForm.valid) {
      console.log(this.empForm.value);
    }
  }
}
```

7

after entering details click on save then data will be printed in obj format

8

```
{firstName: "Ariquerkl", lastName: "India", gender: "Male", education: "Post Graduation", package: 12, dob: "2023-01-01", email: "ariquerkl@india.com", experience: 4, id: 1}
```

1060, 334px 1354 x 599px Nifty midcap -1.24% ENG 10:27 04-11-2024

Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Tools Shapes Colors Size

install > npm i json-server

1

ng g s services/employee

HttpClientModule

db.json

```
"employees": []
```

2

```
export class EmployeeService {
  constructor(private _http: HttpClient) {}

  addEmployee(data: any): Observable {
    return this._http.post('http://localhost:3000/employees', data);
  }
}
```

3

```
constructor(
  private _fb: FormBuilder,
  private _empService: EmployeeService,
  private _dialogRef: MatDialogRef<EmpAddEditComponent>
) {
  this.empForm = this._fb.group({
    firstName: '',
    lastName: '',
    email: '',
    dob: '',
    gender: 'Male',
    education: 'Matric',
    package: 0,
    experience: 0
  });

  onFormSubmit() {
    if (this.empForm.valid) {
      this._empService.addEmployee(this.empForm.value).subscribe({
        next: (val: any) => {
          alert('Employee added successfully');
          this._dialogRef.close();
        },
        error: (err: any) => {
          console.error(err);
        }
      });
    }
  }
}
```

4

5

w n u enter data and click on btn then alert will come bz of dialogRef

6

emp-add-edit comp.ts

db.json

```
"employees": [
  {
    "id": 1,
    "firstName": "Ariquerkl",
    "lastName": "India",
    "email": "ariquerkl@india.com",
    "dob": "2023-01-01",
    "gender": "Male",
    "education": "Post Graduation",
    "package": 12,
    "experience": 4,
    "createdAt": "2023-11-04T10:27:00Z"
  }
]
```

1234, 265px 1354 x 599px 25°C Haze ENG 10:42 04-11-2024

```

1 export class EmployeeService {
2   constructor(private _http: HttpClient) {}
3
4   addEmployee(data: any): Observable<any> {
5     return this._http.post('http://localhost:3000/employees', data);
6   }
7
8   getEmployeeList(): Observable<any> {
9     return this._http.get('http://localhost:3000/employees');
10  }
11
12  applyFilter(event: Event) {
13    const filterValue = (event.target as HTMLInputElement).value;
14    this.dataSource.filter = filterValue.trim().toLowerCase();
15
16    if (this.dataSource.paginator) {
17      this.dataSource.paginator.firstPage();
18    }
19  }
20
21  <!-- Progress Column -->
22  <ng-container matColumnDef="firstName">
23    <th mat-header-cell *matHeaderCellDef mat-sort-header> First Name </th>
24    <td mat-cell *matCellDef="let row" >{{row.firstName}}</td>
25  </ng-container>

```

app.comp.ts

```

1 import { Component, OnInit } from '@angular/core';
2 import { MatDialog } from '@angular/material/dialog';
3 import { EmpAddEditComponent } from './emp-add-edit/emp-add-edit.component';
4 import { EmployeeService } from './services/employee.service';
5 import { MatPaginator } from '@angular/material/paginator';
6 import { MatTable } from '@angular/material/table';
7 import { MatTableDataSource } from '@angular/material/table';
8
9 export class AppComponent implements OnInit {
10   displayedColumns: string[] = ['id', 'firstname', 'lastName', 'email', 'dob', 'gender', 'education'];
11   dataSource: MatTableDataSource<any>;
12   paginator: MatPaginator;
13   sort: MatSort;
14   dialog: MatDialog;
15   _empService: EmployeeService;
16
17   constructor(private _dialog: MatDialog, private _empService: EmployeeService) {}
18
19   ngOnInit(): void {
20     this.getEmployeeList();
21   }
22
23   openAddEditForm() {
24     this._dialog.open(EmpAddEditComponent);
25   }
26
27   getEmployeeList() {
28     this._empService.getEmployeeList().subscribe({
29       next: (res) => {
30         this.dataSource = new MatTableDataSource(res);
31         this.dataSource.sort = this.sort;
32         this.dataSource.paginator = this.paginator;
33       },
34       error: console.log,
35     });
36   }
37
38   @ViewChild(MatPaginator) paginator: MatPaginator;
39   @ViewChild(MatSort) sort: MatSort;
40
41   ngAfterViewInit() {
42     this.getEmployeeList();
43   }
44
45   openEditForm(row) {
46     this._dialog.open(EmpAddEditComponent, { data: row });
47   }
48
49   deleteEmployee(id: number) {
50     this._empService.deleteEmployee(id).subscribe({
51       next: (res) => {
52         alert('Employee deleted!');
53         this.getEmployeeList();
54       },
55       error: console.log,
56     });
57   }
58
59   openDeleteConfirmDialog(row) {
60     const dialogRef = this._dialog.open(EmpDeleteConfirmDialog);
61     dialogRef.afterClosed().subscribe((result) => {
62       if (result === 'Yes') {
63         this.deleteEmployee(row.id);
64       }
65     });
66   }
67
68   <!-- Progress Column -->
69  <ng-container matColumnDef="action">
70    <th mat-header-cell *matHeaderCellDef mat-sort-header> Action </th>
71    <td mat-cell *matCellDef="let row" >
72      <button mat-icon-button color="primary" (click)="openEditForm(row)">
73        <mat-icon>edit</mat-icon>
74      </button>
75      <button mat-icon-button color="warn" (click)="openDeleteConfirmDialog(row)">
76        <mat-icon>delete</mat-icon>
77      </button>
78    </td>
79  </ng-container>

```

app.comp.html

Wn u add record then it will show wn u click on refresh btn only to get auto see below 2nd dig 3rd box

delete code

```

1 deleteEmployee(id: number) {
2   this._empService.deleteEmployee(id).subscribe({
3     next: (res) => {
4       alert('Employee deleted!');
5       this.getEmployeeList();
6     },
7     error: console.log,
8   });
9
10 <!-- Progress Column -->
11 <ng-container matColumnDef="action">
12   <th mat-header-cell *matHeaderCellDef mat-sort-header> Action </th>
13   <td mat-cell *matCellDef="let row" >
14     <button mat-icon-button color="primary" (click)="openEditForm(row)">
15       <mat-icon>edit</mat-icon>
16     </button>
17     <button mat-icon-button color="warn" (click)="deleteEmployee(row.id)">
18       <mat-icon>delete</mat-icon>
19     </button>
20   </td>
21 </ng-container>

```

app.comp.ts

```

1 import { Component, OnInit } from '@angular/core';
2 import { MatDialog } from '@angular/material/dialog';
3 import { EmpAddEditComponent } from './emp-add-edit/emp-add-edit.component';
4 import { EmployeeService } from './services/employee.service';
5 import { MatPaginator } from '@angular/material/paginator';
6 import { MatTable } from '@angular/material/table';
7 import { MatTableDataSource } from '@angular/material/table';
8
9 export class AppComponent implements OnInit {
10   displayedColumns: string[] = ['id', 'firstname', 'lastName', 'email', 'dob', 'gender', 'education'];
11   dataSource: MatTableDataSource<any>;
12   paginator: MatPaginator;
13   sort: MatSort;
14   dialog: MatDialog;
15   _empService: EmployeeService;
16
17   constructor(private _dialog: MatDialog, private _empService: EmployeeService) {}
18
19   ngOnInit(): void {
20     this.getEmployeeList();
21   }
22
23   openAddEditForm() {
24     this._dialog.open(EmpAddEditComponent);
25   }
26
27   getEmployeeList() {
28     this._empService.getEmployeeList().subscribe({
29       next: (res) => {
30         this.dataSource = new MatTableDataSource(res);
31         this.dataSource.sort = this.sort;
32         this.dataSource.paginator = this.paginator;
33       },
34       error: console.log,
35     });
36   }
37
38   @ViewChild(MatPaginator) paginator: MatPaginator;
39   @ViewChild(MatSort) sort: MatSort;
40
41   ngAfterViewInit() {
42     this.getEmployeeList();
43   }
44
45   openEditForm(row) {
46     this._dialog.open(EmpAddEditComponent, { data: row });
47   }
48
49   deleteEmployee(id: number) {
50     this._empService.deleteEmployee(id).subscribe({
51       next: (res) => {
52         alert('Employee deleted!');
53         this.getEmployeeList();
54       },
55       error: console.log,
56     });
57   }
58
59   openDeleteConfirmDialog(row) {
60     const dialogRef = this._dialog.open(EmpDeleteConfirmDialog);
61     dialogRef.afterClosed().subscribe((result) => {
62       if (result === 'Yes') {
63         this.deleteEmployee(row.id);
64       }
65     });
66   }
67
68   <!-- Progress Column -->
69  <ng-container matColumnDef="action">
70    <th mat-header-cell *matHeaderCellDef mat-sort-header> Action </th>
71    <td mat-cell *matCellDef="let row" >
72      <button mat-icon-button color="primary" (click)="openEditForm(row)">
73        <mat-icon>edit</mat-icon>
74      </button>
75      <button mat-icon-button color="warn" (click)="deleteEmployee(row.id)">
76        <mat-icon>delete</mat-icon>
77      </button>
78    </td>
79  </ng-container>

```

app.comp.html

Wn u click on delete icon then record will delete and remaining details will be display

Below dig wn user click on cancel btn then form should be close for that we need to import

```
import { MatDialogModule } from '@angular/material/dialog';
```

Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Tools Shapes Colors Edit with Paint 3D

Clipboard Image

emp-add-edit.component.ts

```

constructor(
  private _fb: FormBuilder,
  private _empService: EmployeeService,
  private _dialogRef: MatDialogRef<EmpAddEditComponent>
) {
}

onFormSubmit() {
  if (this.empForm.valid) {
    this._empService.addEmployee(this.empForm.value).subscribe({
      next: (val: any) => {
        alert('Employee added successfully');
        this._dialogRef.close(true); // You know + Uncommitted after submitted data form will close automatically
      },
      error: (err: any) => {
        console.error(err);
      },
    });
  }
}

openAddEditEmpForm() {
  const dialogRef = this._dialog.open(EmpAddEditComponent);
  dialogRef.afterClosed().subscribe({
    next: (val) => {
      if (val) {
        this.getEmployeeList();
      }
    }
  });
}

```

emp-add-editcomponent.html

```

<div mat-dialog-actions class="action">
  <button mat-raised-button type="button" [mat-dialog-close]="false">Cancel</button>
  <button mat-raised-button color="primary" type="submit">Save</button>
</div>

```

Employee Form

if u click on cancel then form will close bz of dialog=false

if u add then new record will be added

1 2 3 4 5 6 7

1183, 226px 1354 x 599px 100% BSE smcap -1.88% 12:12 04-11-2024

Untitled - Paint

File Home View

Cut Copy Paste Select Crop Resize Tools Shapes Colors Edit with Paint 3D

Edit operation

```

<button mat-icon-button color="primary" (click)="openEditForm(row)">
  <mat-icon>edit</mat-icon>
</button>

```

constructor

```

  private _fb: FormBuilder,
  private _empService: EmployeeService,
  private _dialogRef: MatDialogRef<EmpAddEditComponent>,
  @Inject(MAT_DIALOG_DATA) public data: any

```

ngOnInit(): void

```

  this.empForm.patchValue(this.data);

```

openEditForm(data: any)

```

  this._dialog.open(EmpAddEditComponent, {
    data,
  });

```

if we have data then btn-name will be update if no data then btn-name will be save btn

button mat-raised-button type="button" [mat-dialog-close]="false">Cancel</button>

button mat-raised-button color="primary" type="submit">{{data ? 'Update' : 'Save'}}</button>

wn u click on Add Emp then btn name will be save if u click edit then btnName is update

1 2 3 4 5 6 7

updateEmployee(id: number, data: any): Observable<any> {

```

  return this._http.put(`http://localhost:3000/employees/${id}`, data);
}

```

service file

openEditForm(data: any) {

```

  const dialogRef = this._dialog.open(EmpAddEditComponent, {
    data,
  });

  dialogRef.afterClosed().subscribe({
    next: (val) => {
      if (val) {
        this.getEmployeeList();
      }
    },
  });
}

```

updated same code

1010, 161px 1354 x 599px 100% 26°C Partly cloudy 18:50 05-11-2024

The screenshot shows a Microsoft Paint window titled "Untitled - Paint" containing two code snippets. The top snippet is from a file named "MatSnackBarModule" and the bottom snippet is from a file named "core/core". Both snippets are annotated with red boxes and text.

MatSnackBarModule:

```
ng g s core/core
create one folder and snackbar is a service so import in constructor
```

Instead of alerts if u want to use snackbar then import it

core/core:

```
export class CoreService {
  constructor(private _snackBar: MatSnackBar) {}

  openSnackBar(message: string, action: string) {
    this._snackBar.open(message, action, {
      duration: 1000,
      verticalPosition: 'top',
    });
  }
}
```

use this service in which comp u want import in constructor

now do edit operations
it will work