**DISPLAYING DATA**

**Question 1**

**Angular Intro – Hello World in angular**  
  
SME to provide explanation about the following files in the generated code:

1. app.component.ts
2. app.component.html
3. app.module.ts

Modify app.component.html to display the message “Hello World” alone in the view.

**Answer 1**

App.component.html

<h3>Hello World</h3>

**Question 2**

**Interpolation – Display favorite movie**   
  
Modify angular-learning application to display your favorite movie name.  
  
Create a property named favoriteMovie in app.component.ts  
  
Display the favorite movie in the below format:  
  
**Favorite Movie:** Lord of the Rings

**Answer 2**

**app.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

favoriteMovie='Lord of the Rings';

}

**app.component.html**

<h3>Hello World</h3>

<p>{{favoriteMovie}}</p><br><br>

**Question 3**

**Interpolation – Display Employee details**   
  
Modify angular-learning application to display employee’s id, name and salary.  
  
Use Employee, Department and Skill interfaces created earlier.  
  
Sample screen layout

**Answer 2**

**Employee.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

}

**app.component.html**

<h3>Employee Details</h3><br/>

<div><strong>ID: </strong>{{employee.Id}}</div><br/>

<div><strong>Name: </strong>{{employee.Name}}</div><br/>

<div><strong>Salary: </strong>{{employee.Salary|currency}}</div><br/>

**app.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

public employee:**Employee**

={

Id:1,

Name:'John',

Salary:10000

};

}

**Question 4**

**Interpolation – Display employee permanent details using ngIf**   
  
Include employee permanent details using ngIf directive.

**Answer 4**

**Employee.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

}

**app.component.html**

<h3>Employee Details</h3><br/>

<div><strong>ID: </strong>{{employee.Id}}</div><br/>

<div><strong>Name: </strong>{{employee.Name}}</div><br/>

<div><strong>Salary: </strong>{{employee.Salary|currency}}</div><br/>

<div *\*ngIf*="employee.Permanent"> <strong>Permanent</strong>

{{employee.Permanent}}

</div>

**app.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

favoriteMovie='Lord of the Rings';

public employee:**Employee**

={

Id:1,

Name:'John',

Salary:10000,

Permanent:true

};

}

**Question 5**

**Interpolation – Display employee department details**  
  
Interpolation – Display employee department details

**Answer 5**

**Department.ts**

export interface **Department**

{

DeptId:number;

DeptName:string;

}

**Employee.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

}

**App.component.html**

<h3>Employee Details</h3><br/>

<div><strong>ID: </strong>{{employee.Id}}</div><br/>

<div><strong>Name: </strong>{{employee.Name}}</div><br/>

<div><strong>Salary: </strong>{{employee.Salary}}</div><br/>

<div *\*ngIf*="employee.Permanent"> <strong>Permanent</strong>

{{employee.Permanent}}

</div><br/>

<div><strong>Department Id: </strong>{{dept.DeptId}}</div><br/>

<div><strong>Department Name: </strong>{{dept.DeptName}}</div><br/>

**App.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

favoriteMovie='Lord of the Rings';

public employee:**Employee**

={

Id:1,

Name:'John',

Salary:10000,

Permanent:true

};

public dept:**Department**={

DeptId:1,

DeptName:'payroll'

};

**Question 6**

**Interpolation – Display employee skill details using ngFor**   
  
Include employee skill details using ngFor directive.  
  
Sample Layout

|  |
| --- |
| https://cognizant.e-box.co.in/uploads/Image/01fseangular/dd4.JPG |

**Answer 6**

**Employee.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

dateOfBirth:**Date**

}

**Department.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

}

**Skill.ts**

export interface **Skills**

{

skillId:number

skillName:string

}

**App.component.html**

<h3>Employee Details</h3><br/>

<div><strong>ID: </strong>{{employee.Id}}</div><br/>

<div><strong>Name: </strong>{{employee.Name}}</div><br/>

<div><strong>Salary: </strong>{{employee.Salary}}</div><br/>

<div *\*ngIf*="employee.Permanent"> <strong>Permanent</strong>

{{employee.Permanent}}

</div><br/>

<div><strong>Department Id: </strong>{{dept.DeptId}}</div><br/>

<div><strong>Department Name: </strong>{{dept.DeptName}}</div><br/>

<strong>Skills</strong><br/><br/>

<strong>Skill Id Skill Name</strong>

<div *class*="row">

<div *\*ngFor*="let s of skill">

<div *class*="col-xs-1" >

{{s.skillId}}

</div>

<div *class*="col-xs-11" >

{{s.skillName}}

</div>

</div>

</div>

**App.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

favoriteMovie='Lord of the Rings';

public employee:**Employee**

={

Id:1,

Name:'John',

Salary:10000,

Permanent:true,

dateOfBirth:new **Date**('12/31/2000')

};

public dept:**Department**={

DeptId:1,

DeptName:'payroll'

};

public skill:**Skills**[]

=[

{

skillId:1,skillName:'HTML'

},

{

skillId:2,skillName:'Css'

},

{

skillId:3,skillName:'Javascript'

}

]

}

**Question 7**

**Interpolation - Display employee details with date of birth**   
  
Inlude dateOfBirth property of type Date in employee.ts.  
  
Set dateOfBirth value in component.ts using new Date('12/31/2000') option.  
  
Include Date of Birth details in html.  
  
Sample Layout

|  |
| --- |
| https://cognizant.e-box.co.in/uploads/Image/01fseangular/dd5.JPG |

**Answer 7**

**Employee.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

dateOfBirth:**Date**

}

**Department.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

dateOfBirth:**Date**

}

**Skill.ts**

export interface **Skills**

{

skillId:number

skillName:string

}

**App.componetn.html**

<h3>Employee Details</h3><br/>

<div><strong>ID: </strong>{{employee.Id}}</div><br/>

<div><strong>Name: </strong>{{employee.Name}}</div><br/>

<div><strong>Salary: </strong>{{employee.Salary}}</div><br/>

<div *\*ngIf*="employee.Permanent"> <strong>Permanent</strong>

{{employee.Permanent}}

</div><br/>

<div><strong>Department Id: </strong>{{dept.DeptId}}</div><br/>

<div><strong>Department Name: </strong>{{dept.DeptName}}</div><br/>

<strong>Skills</strong><br/><br/>

<strong>Skill Id Skill Name</strong>

<div *class*="row">

<div *\*ngFor*="let s of skill">

<div *class*="col-xs-1" >

{{s.skillId}}

</div>

<div *class*="col-xs-11" >

{{s.skillName}}

</div>

</div>

</div>

<br/>

<br/>

<strong>Date Of Birth : </strong>{{employee.dateOfBirth}}

**App.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

favoriteMovie='Lord of the Rings';

public employee:**Employee**

={

Id:1,

Name:'John',

Salary:10000,

Permanent:true,

dateOfBirth:new **Date**('12/31/2000')

};

public dept:**Department**={

DeptId:1,

DeptName:'payroll'

};

public skill:**Skills**[]

=[

{

skillId:1,skillName:'HTML'

},

{

skillId:2,skillName:'Css'

},

{

skillId:3,skillName:'Javascript'

}

]

}

**Question 8**

**Pipes – Display employee date of birth and salary in custom format**   
  
Display Salary in currency format with any currency symbol of your choice.  
  
Display date of birth as per the layout defined below. 

|  |
| --- |
| https://cognizant.e-box.co.in/uploads/Image/01fseangular/dd6.JPG |

**Answer 8**

**Employee.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

dateOfBirth:**Date**

}

**Department.ts**

export interface **Employee**

{

Id:number;

Name:string;

Salary:number;

Permanent:boolean;

dateOfBirth:**Date**

}

**Skill.ts**

export interface **Skills**

{

skillId:number

skillName:string

}

**App.componetn.html**

<h3>Employee Details</h3><br/>

<div><strong>ID: </strong>{{employee.Id}}</div><br/>

<div><strong>Name: </strong>{{employee.Name}}</div><br/>

<div><strong>Salary: </strong>{{employee.Salary|currency}}</div><br/>

<div *\*ngIf*="employee.Permanent"> <strong>Permanent</strong>

{{employee.Permanent}}

</div><br/>

<div><strong>Department Id: </strong>{{dept.DeptId}}</div><br/>

<div><strong>Department Name: </strong>{{dept.DeptName}}</div><br/>

<strong>Skills</strong><br/><br/>

<strong>Skill Id Skill Name</strong>

<div *class*="row">

<div *\*ngFor*="let s of skill">

<div *class*="col-xs-1" >

{{s.skillId}}

</div>

<div *class*="col-xs-11" >

{{s.skillName}}

</div>

</div>

</div>

<br/>

<br/>

<strong>Date Of Birth : </strong>{{employee.dateOfBirth|date}}

**App.component.ts**

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

import {Employee} from './Employee';

import { Department } from './Department';

import { Skills } from './skills';

@**Component**({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class **AppComponent** {

favoriteMovie='Lord of the Rings';

public employee:**Employee**

={

Id:1,

Name:'John',

Salary:10000,

Permanent:true,

dateOfBirth:new **Date**('12/31/2000')

};

public dept:**Department**={

DeptId:1,

DeptName:'payroll'

};

public skill:**Skills**[]

=[

{

skillId:1,skillName:'HTML'

},

{

skillId:2,skillName:'Css'

},

{

skillId:3,skillName:'Javascript'

}

]

}

**Employee.ts , Department.ts and Skill.ts same as previous queations**

**App.component.ts**

**App.component.html**

**View-emp.component.ts**

**View-emp.component.html**

**Edit-emp.component.ts**

**Edit-emp.component.html**