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## **Frontend Basics**

### **1-In the following figure using CSS:**

**a.**

- display: flex;
- flex-direction: column;
- align-items: center;

**b.**

- display: grid;
- grid-template-columns: repeat(3,auto);
- column-gap: 70px;
- background-color: #2196F3;
- padding: 0 28px;

**c.**

**- in flex-container**

- display: flex;
- padding: 0px 28px;
- gap: 70px;

**- in boxes**

- flex-basis: calc(100% / 3);

**d.**

.container box:nth-child(2) {background-color:black;}

## **2- Write a short code using angular to explain:**

**a.**

```
export class component implements AfterViewInit {  
  constructor(private renderer: Renderer2) {}  
  ngAfterViewInit() {  
    let loader = this.renderer.selectRootElement('loader-class Or id');  
    this.renderer.setStyle(loader, 'display', 'none');  
  }  
}
```

**b.**

```
export class component implements OnDestroy {  
  constructor( private ref:ChangeDetectorRef) {}  
  ngOnDestroy() { alert("closed") }  
}
```

**c.**

**1- pass data from parent to child :**

**- in child.ts**

```
export class employeesComponent implements OnInit {  
  @Input() employeeList = [];  
  ngOnInit() {}  
}
```

**- in child.html :**

```
<li *ngFor="let employee of employeeList">{{ employee.name  
}}</li>
```

**- in parent.ts:**

```
export class AppComponent {  
  employees = [  
    { name: 'anas', id: 1, salary: 1000 },  
    { name: 'rafat', id: 2, salary: 2000 },  
    { name: 'mansour', id: 3, salary: 3000 },  
  ];  
}
```

**- in parent.html :**

```
<app-employeesComponent [employeeList]="employees"></app-  
employeesComponent>
```

**2- pass data from child to parent :**

**-in child.ts :**

```
export class employeesComponent implements OnInit {  
  @Output() selected = new EventEmitter<any>();  
  constructor() {}  
  ngOnInit() {}  
  SelectedEmployee(employee) {  
    this.selected.emit(employee);  
  }  
}
```

**-in child.html :**

```
<li *ngFor="let employee of employeeList"  
(click)="SelectedEmployee(employee)">{{ employee.name }}</li>
```

**-in parent.ts :**

```
export class AppComponent {  
  selectedEmployee: any;
```

```
products = [  
    { name: 'Rice', id: 1, price: 200 },  
    { name: 'Beans', id: 2, price: 300 },  
    { name: 'Bananna', id: 3, price: 400 },  
];  
selectedEmployee(employee) {  
    this.selectedEmployee = employee;  
}  
}
```

**-in parent.html :**

```
<app-employeesComponent [employeeList]="employees"  
(elected)="selectedEmployee($event)"></app-  
employeesComponent>  
  
<div *ngIf="selectedProduct" class="card">  
    <h1>the selected is {{ this.selectedEmployee.name }}</h1>  
</div>
```