## Two simple REST API with Node and Express

- 1. Get sum of two numbers with parameters n1 and n2
- 2. Save Employee

- what is REST API
- what is post method
- what is get method
- what is url
- what is query string

## **Angular Client Application**

Component html form to accept user input

```
<div style="text-align:center">
 <h1>
   Welcome to {{ title }}!
 </h1>
 <label>Number 1</label>
 <input type="text" [(ngModel)]="n1" />
 <br>
 |br|
 <label>Number 2</label>
 <input type="text" [(ngModel)]="n2" />
 <br>
 <br>
 <label>Sum = {{sum}}</label>
 <br
 <br>
 <button (click)="getSum()">Get Sum</button>
```

Component class in typescript to handle user actions.

```
export class AppComponent {
    n1 = undefined;
    n2 = undefined;
    sum = undefined;
    constructor(private http: HttpClient) {
    }
    getSum() {
        const params = new HttpParams().set('n1', this.n1).set('n2', this.n2);
        this.http.get('http://localhost:3000/api/sum', { params: params }).subscribe(sum => {
            console.log(sum);
            this.sum = sum;
        });
    }
}
```

 $n\ clicking\ button\ the\ getSUm\ method\ will\ be\ called\ ,$  which call the  $\ Rest\ API$  to get sum of  $n1\ and\ n2$