Q. Rest

```javascript
function add(...args){
    let sum=0;
    for(let i in args){
        if(args[i] instanceof Array){
            for(let j=0;j<args[i].length;j++){
                sum=isNaN(sum+parseInt(args[i][j]))?0:sum+parseInt(args[i][j]);
            }
            continue;
        }
        sum=isNaN(sum+parseInt(args[i]))?0:sum+parseInt(args[i]);
    }
    console.log(sum);
}
```

Q rest vs spread

```javascript
Spread
(Array)
var arr = [10,20,30,40];
var arr2 = [100,200,300];
var arr4 = [...arr, ...arr2];
arr4;
 [10, 20, 30, 40, 100, 200, 300]
(Object)
var emp = {id:1001, name:'Ram'};
var dept = {dname:'IT' , id:1002, };
var merge2 = {...emp, ...dept};
merge2;
{id: 1002, name: 'Ram', dname: 'IT'}

Rest
function show(...arg){
    console.log(arg);
}
show(10,20,30,40);
[10, 20, 30, 40]
```

Q.Write a JavaScript program to display the current day and time in the following format.
output: Today is wednesday.
Current time is: 10 : 30: 38

```
function time() {

var date = new Date();

var day date.getDay();

var mydays= {0:"Sunday ", 1: "Monday", 2: "Tuesday", 3: "Wednesday", 4:"Thursday",
5:"Friday", 6:"Saturday"}

console.log("My day is ",mydays [day])

console.log(Current Time is ${date.getHours()} :${date.getMinutes()}
:${date.getSeconds()}`);
}
```

Q.write a JavaScript program to get the current date.
Expected Output:
mm-dd-yyyy, mm/dd/yyyy or dd-mm-yyyy, dd/mm/yyyy

```
let day-today.getDate();
let m-today.getMonth()+1;
let y=today.getFullYear();
console.log("${m}-$(day)-${y});
6-12-2023
```