Java Script Questions

6. Write a JavaScript program to sort the items of an array.

Soln - .sort() is a inbuilt method

```
var arr = [0, 1, 2, 3, 10, 20, 30];
arr.sort((a, b) => a - b); // For ascending sort
console.log(arr)
arr.sort((a, b) => b - a); // For descending sort
console.log(arr)
```

7. Create a function that takes two numbers as arguments (number, length) and returns an array of multiples of numbers until the array length reaches length.

Soln - .push to append an array

```
function multiples(n, l){
    var arr = [];
    let c = 1;
    while (c <= l) {
        arr.push(n*c);
        c++;
    };
    return arr;
};

console.log(multiples(24, 4));
```

8. Create a function that determines whether a number is Oddish or Evenish. A number is Oddish if the sum of all its digits is odd, and a number is Evenish if the sum of all its digits is even. If a number is Oddish, return "Oddish". Otherwise, return "Evenish".

Soln -
- .toString method returns a number in string form.
- parseInt() method parses a string and returns the first integer.

```
function tocheck(n){
    let a=n.toString();
    let b=0;
    for(let i=0;i<a.length;i++){
        b+=parseInt(a[i]);
    }
    if(b%2===1){
```

```
        return "Oddish"
    }
    else return "Evenish"
};

console.log(tocheck(3743));
```

9. Create a function that will return the total number of digits in the given no as 234123 has 6 digits and the Sum of all the digits

```
function sumofdigits(n){
    var a = n.toString();
    let sum=0;
    for(let i=0;i<a.length;i++){
        sum+=parseInt(a[i]);
    }
    console.log("Number of digits: " + a.length)
    console.log("Sum of digits: " + sum)
}
sumofdigits(24)
```

10. Write a JavaScript program to test whether the first character of a string is uppercase or not.

Soln - .test() to search for a specific item in strings
// returns "true" or "false" if found or not found respectively.

```
function is_uppercase(str){
    let strch=/^[A-Z]/;
    return strch.test(str);
}

is_uppercase('Mirdj');
```

11. Write a JavaScript program to count and display the items of a dropdown list, in an alert window

```
l = [24, 42, 43, 25];
alert("Number of Items in list: " + l.length);
alert("Items in list: " + l);
```