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/* Assignments for practice:
Level 2 - Practice more -----*/
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```
// 1) JavaScript Program to print the Factorial of a Number
// (Factorial of 5 = 5 * 4 * 3 * 2 * 1 = 120)
```

```
/* let n = Number(prompt("enter the no. :"));
fact=1;

while(n>1){
    fact=fact*n;
    n--;
}
console.log("factorial of no. "+n+" is: "+fact); */
```

```
// 2) JavaScript Program to print the Fibonacci series.
// Fibonacci series is a series of numbers where a number is the addition
of the last
// two numbers, starting with 0, and 1.
// ( 0, 1, 1, 2, 3, 5, 8, 13, 21 .....)
```

```
/* let n=Number(prompt("enter the no. :"));
let a=0;
let b=1;
let c=0;

console.log("fibonacci series for 0 is: "+a);
console.log("fibonacci series for 1 is: "+b);

for(let i=2; i<n; i++){
    c=a+b;
    a=b;
    b=c;
    console.log("fibonacci series for "+i+" is: "+c);
}
console.log("fibonacci of no. "+n+" is : "+c); */
```

```
// 3) JavaScript Program to find whether the string is palindrome or not.
// A string is called a palindrome string if the reverse of that string
is the same as
// the original string.
// dad = dad (palindrome)
// cat ≠ tac (not palindrome)
```

```
/* let string = prompt("enter the string: ");
let data="";
let i=(string.length)-1;
```

```

while(i>=0){
    data = data+string[i];
    i--;
}
if(string==data){
    console.log("it is a palindrome");
}
else{
    console.log("not a palindrome");
} */

```

// 4) JavaScript program to print the frequency of a character in a string.

```

/* let string = prompt("enter the string: ");
let check=prompt("enter the character to find it's frequency: ");
let count=0;
for(let i=0; i<string.length; i++){
    if(check==string[i]){
        count++;
    }
}
console.log(count); */

```

// 5) JavaScript program to sort the elements of the array (without using sort function).

```

let arr=[5,7,6,0,3,2,1];

for(let i=0; i<arr.length; i++){
    for(let j=i+1; j<arr.length; j++){
        if(arr[i]>arr[j]){
            [arr[i],arr[j]]=arr[j],arr[i];
        }
    }
}
console.log(arr);

```