//Gotovi funkcii za manipolirane na Array

/\*Removes the first element found from left to right in the array

Second argument should be truthy to remove all elements\*/

Array.prototype.remove = function(arg, all){

for(var i = 0; i < this.length; i++){

if(this[i] === arg){

this.splice(i,1);

if(!all)

break;

else

i--;

}

}

};

//Removes the element at the position

Array.prototype.removeAt = function(position){

this.splice(position,1);

};

//Removes all elements of the array

Array.prototype.clear = function(){

this.length = 0;

};

//inserts an element at a given position

Array.prototype.insertAt = function(arg, position){

this.splice(position, 0, arg);

};

//Checks if the array contains the given element

Array.prototype.contains = function(arg){

for(var i = 0; i < this.length; i++)

if(this[i] === arg)

return true;

return false;

};

//Counts the occurrences of a given element in array

Array.prototype.occurs = function(arg){

var counter = 0;

for(var i = 0; i< this.length; i++){

if(this[i] === arg)

counter++;

}

return counter;

};

**var** area;  
**var** array = [7, 1.5, 20];  
**function** calcArea(radius) {  
 area = Math.PI \* Math.*pow*(radius, 2);  
 **return** area;  
}  
 document.getElementById("first-area").innerHTML="r="+ array[0] +" area= "+calcArea(array[0]);  
 document.getElementById("second-area").innerHTML="r="+ array[1] + " area= "+calcArea(array[1]);  
 document.getElementById("third-area").innerHTML="r="+ array[2] +" area= "+calcArea(array[2]);

// Kak da podavam infomraciq vatre v html taga

//Как да взимам и използвам информация от html

**function** calcExp() {  
 **var** argument = document.getElementById('evaluate').value;  
 **var** evaluate = eval(argument);  
 //console.log(evaluate);  
 **if** (evaluate === undefined) {  
 document.getElementById('display').innerHTML = 'Type something to evaluate.';  
 }  
 **else** {  
 document.getElementById('display').innerHTML = evaluate;  
 document.getElementById('evaluate').value = '';  
 }  
}

//Reverse regex

^((?!(regex)).)\*

//Nachin za fashtane na regex mnogo pati

function main(input) {

var reg = /<p>(.\*?)<\/p>/g;

var match = reg.exec(input);

while(match!==null) {

console.log(match);

match = reg.exec(input);

}

}

//Nachin za izpolzvane na regex( moje da go proverish)

**var** pattern = **new** RegExp('<div','g');  
**return** html.match(pattern).length;

//Nachini za sortirane Сортиране на обект по key

**function** sortObj(arr) {  
// Setup Arrays  
 **var** sortedKeys = **new** Array();  
 **var** sortedObj = {};  
  
// Separate keys and sort them  
 **for** (**var** i **in** arr) {  
 sortedKeys.push(i);  
  
 }  
 sortedKeys.sort();  
  
// Reconstruct sorted obj based on keys  
 **for** (**var** i **in** sortedKeys) {  
 sortedObj[sortedKeys[i]] = arr[sortedKeys[i]];  
  
 }  
 **return** sortedObj;  
  
}

Average array

function averageArray(arr) {

var sum = arr.reduce(function (a, b) {

return a + b;

});

var avg = sum / arr.length;

return avg.toFixed(2);

}

**function** *sortObjByWeight*(arr) {  
 *// Setup Arrays* **var** sortedKeys = **new** *Array*();  
 **var** sortedObj = {};  
 *// Separate obj in array and sort them* **for** (**var** i **in** arr) {  
 arr[i][**'key'**] = i;  
 sortedKeys.push(arr[i]);  
 }  
 sortedKeys.sort(**function** (x, y) {  
 **return** x[**'kg'**] - y[**'kg'**];  
 });  
  
 *// Reconstruct sorted obj based on keys* **for** (**var** i **in** sortedKeys) {  
 sortedObj[sortedKeys[i][**'key'**]] = sortedKeys[i];  
 **delete** sortedKeys[i][**'key'**];  
 }  
 **return** sortedObj;  
  
}