**Assignment 02:**

1. Write a JavaScript function that reverse a number.

Example x = 32243;

Expected Output : 34223

Code:

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| --- |
| function myReverse(num1) {  str1 = num1.toString()  var x = str1.length;  var str2="";  for(i=x-1; i>=0; i--){  str2+= str1.charAt(i);  }  return str2;  }  number = 123456789;  document.write(myReverse(number)) |

1. Write a JavaScript function that checks whether a passed string is palindrome or not?

A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam or nurses run.

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| --- |
| function mycheck(str) {  var x = str.length;  for(var i = 0; i<x/2;i++){  if(str.charAt(i) != str.charAt(x-i-1)){  return false;  }  }  return true;  }  str1 = "madam";  document.write(mycheck(str1)) |

1. Write a JavaScript function that generates all combinations of a string. Example string : 'dog'

Expected Output : d,do,dog,o,og,g

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| --- |
| function myGenerate(str) {  var x = str.length;  var result="";  for(var i = 0; i<x; i++){  for(var j = 1; j <=x-i; j++){  result += str.substr(i,j) + ",";  }  }  return result;  }  var str1 = "dogx";  document.write(myGenerate(str1)); |

1. Write a JavaScript program to list the properties of a JavaScript object. Go to the editor

Sample object:

var student = {

name : "David Rayy",

sclass : "VI",

rollno : 12 };

Sample Output: name,sclass,rollno

|  |
| --- |
| var student = {name : "David Rayy", sclass : "VI", rollno : 12 };  document.write(Object.keys(student)); |

1. Write a JavaScript program to get the length of an JavaScript object. Go to the editor

Sample object :

var student = {

name : "David Rayy",

sclass : "VI",

rollno : 12 };

|  |
| --- |
| var student = {name : "David Rayy", sclass : "VI", rollno : 12 };  document.write(Object.keys(student).length); |

1. <https://www.w3resource.com/javascript-exercises/javascript-function-exercise-1.php>
2. <https://www.w3resource.com/javascript-exercises/javascript-function-exercise-2.php>
3. <https://www.w3resource.com/javascript-exercises/javascript-function-exercise-3.php>
4. <https://www.w3resource.com/javascript-exercises/javascript-object-exercise-1.php>
5. <https://www.w3resource.com/javascript-exercises/javascript-object-exercise-3.php>