**Practice Questions**

**ALL students are required to submit these questions’ solution in drop box.**

**You can use following functions, and try to find other functions required to solve these.**

**s.length - will tell us the length of the string (UTF-16 code units)**

**s.charAt(1) - returns the character at the given position (UTF-16 code unit). We can also use s[1] and use an index notation to get a particular character from the string.**

**s.concat() - returns a new string created by concatenating the original with the given arguments.**

**s.includes("tex") - returns true if the search string is found within the string, otherwise false if not found.**

**s.startsWith("some") - returns true if the string starts with the given substring, otherwise false.**

**s.endsWith("text") - returns true if the string ends with the given substring, otherwise false.**

**s.slice(2, 3) - returns a new string extracted (sliced) from within the original string. A beginning index and (optional) end index mark the position of the slice.**

**s.split() - returns an Array of substrings by splitting the original string based on the given separator .**

**s.toLowerCase() - returns a new string with all characters converted to lower case.**

**s.toUpperCase() - returns a new string with all characters converted to upper case.**

**s.trim() - returns a new string with leading and trailing whitespace removed.**

**Questions!**

1. Write a JavaScript function that reverse a number.

Sample Data and output:

Example x = 15243; // reverseNumber(15234)

Expected Output: 34251

Hint: reverse( ) reverses what is given to it.

1. Write a function buildArray that takes two Numbers, and returns an Array filled with all numbers between the given number: buildArray(5, 10) should return [5, 6, 7, 8, 9, 10]
2. Write a JavaScript function that returns a passed string with letters in alphabetical order.

Example string : 'keyincollege'

Expected Output : 'ceeegikllnoy'

Sort() …

1. Write a JavaScript function to get the extension of a filename. (SPECIAL)
2. Write a JavaScript function that accepts a string as a parameter and converts the first letter of each word of the string in upper case.
3. Write a JavaScript program which returns all subset of a string.

Sample Data:

substrings(“home”) returns

[ 'h', 'ho', 'hom',

'home', 'o', 'om',

'ome', 'm', 'me',

'e']

Hint: You can use slice( ) function in this problem.

1. Write a JavaScript function to get the current date.

**Expected Output :**

mm-dd-yyyy, mm/dd/yyyy or dd-mm-yyyy, dd/mm/yyyy

1. Write a JavaScript function to list the properties of a JavaScript object.

Sample object:

var student = {

name : "David Becham",

sclass : "X",

rollno : 1289 };

1. Write a JavaScript function to delete the rollno property from the following object. Also print the object before or after deleting the property.

Sample object:

var student = {

name : "David Becham",

sclass : "X",

rollno : 1289 };

1. Write a JavaScript function to display the reading status (i.e. display book name, author name and reading status) of the following books.

var books = [

{

author: 'George Steven',

title: 'Javascript made easy',

readingStatus: true

},

{

author: 'John Smith',

title: 'Headstart JS',

readingStatus: true

},

{

author: 'Peter Sham',

title: 'Java Complete Reference',

readingStatus: false

}];

Sample Output:

Javascript made easy by George Steven: Already read

Headstart JS by John Smith: Already read

Java Complete Reference by Peter Sham: You need to read this.