################# JAVASCRIPT STRING FUNCTIONS ########################

**//length**

var str = "Hello how are you 3000"

var x = str.length

console.log(x)

**//slice**

var str = "Hello how are you 3000"

var x = str.slice(1,4);

console.log(x) //ell

**//substring**

var str = "Hello how are you 3000"

var x = str.substring(3,6)

console.log(x) //ell

**//substr**

var str = "Hello how are you 3000"

var x = str.substr(1,5)

console.log(x) //ello

**//split string into array**

var str = "Hello how are you 3000, ARE you okay?"

var x = str.split(' ')

console.log(x)

################### REPLACE ######################

**//replace**

var str = "Hello how are you 3000"

var x = str.replace("3000","5000")

console.log(x)

**//replace all**

var str = "Hello how are you 3000., are you okay?"

var x = str.replace(/are/g,"is")

console.log(x)

**//replace all with case sensitive**

var str = "Hello how are you 3000., ARE you okay?"

var x = str.replace(/are/gi,"is")

console.log(x)

**//replace with regex - number**

var str = "Hello how are you 3000, ARE you okay?"

var x = str.replace(/[0-9]/g,'-')

console.log(x)

**//replace with regex - lower case**

var str = "Hello how are you 3000, ARE you okay?"

var x = str.replace(/[a-z]/g,'-')

console.log(x)

**//replace with regex - upper case**

var str = "Hello how are you 3000, ARE you okay?"

var x = str.replace(/[A-Z]/g,'-')

console.log(x)

**//replace with regex - special character**

var str = "Hello how are you 3000, ARE you okay?"

var x = str.replace(/[~!@#$%?,]/g,'-')

console.log(x)

################### SEARCH : INDEX ######################

**//search a word**

var str = "Hello how are you 3000, ARE you okay?"

var x = str.search('how')

console.log(x) //index : 6

################### MATCH : VALUE ######################

**//match a word and return all matching values**

var str = "Hello how are you 3000, ARE you okay 4000?"

var x = str.match(/[0-9]+/g)

console.log(x) //3000,4000

**//match a special character and return value**

var str = "Hello how are you 3000, ARE you okay 4000?"

var x = str.match(/[!@#$%^&\*().,?]+/g)

console.log(x)

**//match and get all digits**

var str = "Hello how are you 3000, ARE you okay 4000?"

var x = str.match(/\d+/g)

console.log(x)

################### TEST : BOOLEAN ######################

**//test if number and get boolean value if exist**

var str = "Hello how are you 3000, ARE you okay 4000?"

var pattern = /[0-9]/

var x = pattern.test(str)

console.log(x) //true

**//test if Caps exist and get Boolean value if exist**

var str = "Hello how are you 3000, ARE you okay 4000?"

var pattern = /[A-Z]/

var x = pattern.test(str)

console.log(x) //true

**//test Special Character if exist and get Boolean value if exist**

var str = "Hello how are you 3000, ARE you okay 4000?"

var pattern = /[!@#$%^&\*,]/

var x = pattern.test(str)

console.log(x)

**//test if password meets minimum requirement and get Boolean value if exist**

var str = "Avenger@123"

var pattern = /^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[@!#$%^&\*]).{5,10}$/

var x = pattern.test(str)

console.log(x)

NOTE:

(?=.\*[A-Z]) Caps

(?=.\*[a-z]) Lower

(?=.\*[0-9]) Number

(?=.\*[!@#$%^&\*]) Special Character

.{5,10}$ min 5 chars, max 10 chars