Q1. Have two integer variables and print greatest among them.

Q2.

Given a score variable as an integer number write if, else, else if conditions to

print the grade as follows

a. Below 25 - print F

b. 25 to 45 - print E

c. 45 to 80 - print D

f. Above 80 - print A

Q3.

Make a variable age with some number.

If the person is below 21 print "Illegal to drink"

If the person is 21 or above print "Legal Age"

If the person is above 90 print "Too old to drink"

Q-4

Write a program that prints the numbers from 1 to 100. But for multiples of three print “Fizz” instead of the number and for the multiples of five print “Buzz”. For numbers which are multiples of both three and five print “FizzBuzz”.

Make a function which:-

1. Takes two numbers num1 and num2 and create an object that has numbers between

num1 and num2 as keys and values will be squares of those.

Example: makeObject(2,6) returns { 2: 4, 3: 9, 4: 16, 5: 25, 6:36 }

2. Takes an object as first argument and a key as second argument.

It will return the new object with that key-value pair removed.

Example:

var obj = { name: "john", age: 20, gender: "male"}

removeKey (obj, 'age') will return { name: "john", gender: "male"}

3. Takes a list of numbers and stores unique numbers from it as keys and their count

inside the list as values.

Example:- [2,3,4,3,2,2,3,3,3] will return { 2: 3, 3: 5, 4: 1 }

Hint: use if else to check if a number is already in the object or not and read the value

and increase if it is otherwise store as 1 as new property.

Write a function that:-

Q1. Takes a string and returns the reversed string.

Q2. Takes a number but as a string and returns the sum of all digits.

Example: '4356' returns 18 because 4 + 3 + 5 + 6 is 18

Q3. Takes a string and returns the string with last character removed.

Example:- for 'hello' as input return 'hell'

Q4. Takes a number and returns the sum of all numbers from that 1 to that number.

Example:- for 4 as input return 1 + 2 + 3 + 4.

Use loops.

Q5. Takes an array of numbers and find the second largest number in it and returns that number.

Q6. Write a function that find the number of vowels in the string and returns the count. For example: 'john doe' will return 3.

two 'o's and 1 'e'.

(Hint: a, e , i , o , u are vowels)

Use only map, filter and reduce. No Loops!

Write a function that:

1. Takes an array with numbers and first squares all the numbers and multiplies all the squares to get one product and returns that product.

2. Takes an array of strings and keeps strings that have vowels 'a' and 'i' in them and removes all others as a new array.

3. Takes an array of arrays like this -> [ [3,46,7,8], [4,6,8,10], [6,7,8,8], [24,6]]

and returns only the array that has even numbers in it.

so return value will be -> [[4,6,8,10], [24,6]]

4. Takes an array of objects with each object containing a key called 'name' and returns an array with those names.

Example: Input -> [ {name: "john"},{name: "bob"},{name: "mary"},{name: "doe"}]

Output -> ["john", "bob", "mary", "doe"]

5. Takes an array of numbers and returns true if all the numbers in the list are even , otherwise returns false. Remember no Loops!

Q1. Create any paragraph with some content. <p> hello world </p> and give it some id.

Create an input box to have the user type any number.

Create a simple <button> Click me </button> next to it.

Change the font size of a paragraph as you type inside the box and click the button.

For example if i type 30 and click the button, fontSize of paragraph should become '30px'.

Q2. Make a button named 'toggle', when clicked checks if element with id="para" is visible then make it invisible, otherwise make it visible again.

Q1. Make a button named 'toggle', when clicked checks if element with id="para" is visible then make it invisible, otherwise make it visible again.

Use Ternary Operator to do it. ( boolean ? value: value)

Q2. Pass to a function an object called 'user' which has'personalInfo' and 'personalInfo' has 'yearsSinceMarried' which will be a number if it is present. Check if user is married. Function should return a boolean.

User may or may not have 'yearsSinceMarried' in it.

Use only && and || operators to return a boolean.

Function must return true or false!

Sample call with object:

function checkMarried(user) {

return \_\_\_\_ && \_\_\_\_ && \_\_\_\_\_\_\_.........

}

// can also be empty.

var testUser = {

personalInfo: {

yearsSinceMarried: 3

}

}

checkMarried()

Q3. Make a div with 500px height, 500px width and border: 1px solid red.

When the user brings mouse on top it should move away based on a random number generated between [30-150]. ( Means the margin in any direction will increase or decrease). Another random number between [1-4] will decide which direction margin to be changed.

So as you bring your mouse on top it should keep moving around every time mouseover event triggers.

You can decide margin directions as 1 is top, 2 is right, 3 is bottom, 4 is left.

Example:-

Mouseover Event 1: random number for margin = 50 and direction is 2

Box will move 50px to left. ( marginRight will be 50px )

Mouseover Event 2: random number for margin = 100 and direction is 3

Box will move 100px to top. ( marginBottom will be 100px )