Question1 : Answer The Following Questions ? (10 points)

1. How do you add an element at the begining of an array?

The unshift() method adds new elements to the beginning of an array

1. How do you add one at the end? Hint[ 2 ways ]

The push() method adds new items to the end of an array

1. Swap 2 integers present in variables num1 and num2 without using temporary variable
2. Write a code to iterate over a string Question 2 : What Is The Output ?(20 points)
3. Answer is

String

1. Answer

42

11

36

17

1. Answer is

Undefined

10

1. Answer is

0

false

11

1. Answer is error
2. Answer is

Undefined

Object

[5,0,1,2,3,4]

Apple

1. Answer is

{x:1}

1. Answer is

fait

undefined

kia

undefind

volvo

+

Question 3 : Write Js Code To Solve These Problems (70 points)

1. Write a program to append and prepend, single or multiple values into an array (5 points)
2. Write a function that converts an object into an array, where each element represents a key-value pair in the form of an array. For Example :

({ a: 1, b: 2 }) ➞ [["a", 1], ["b", 2]] (20 points)

1. Design a Calculator interface for 2 number inputs which can perform sum, difference, product, and dividend whenever invoked on the same interface. (15 points)
2. - Get the Minimum value from a numbers array along with its index (5 points)
3. Compute The Factorial Of 5 Hint: Make This Using Loops And Functions

(15 points)

1. Write a function which can return multiple values from a function (5 points)