

Js-SampleExam

Question 1:

1 -> An event loop is basically an event that keeps on checking on the call stack and the event queue just so when the call stack is empty it starts popping orders from the event queue that was waiting for the main functions to finish to the call stack in order to be processed , and this is how Asynchronistic JS works since JS is Synchronous and single threaded

for example we have 3 console log that print whatever but one will have a timeout call back

```
console.log('1')
```

```
setTimeout(function () {console.log('2')} , 1000)
```

```
console.log('3')
```

the output will be 1 -> 3 -> 2 that's because the call back function was pushed into the event table then the event queue waiting for it's turn to be popped and pushed into the call stack to be executed

2-> we can add an element to the beginning of the array by using the internal array method called `unshift()` this will add the element to the begging of the array , and we can add items to the end of the array by using the internal array method called `push()` this will add the element to the end of the array

Question 2:

Code (1) -> output : 3

Code (2) -> output :

0

1

2

3

4

with a delay in between each one of them

code (3) -> output : ['baz']

code (4) -> output :

1

hello

true

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code (5) -> output :

true

['carName','Bmw']

['carPrice',100000]