Following Questions should be asked based on the level of expertise required. So please kindly choose accordingly.

(If possible conduct the online test with **https://codepad.remoteinterview.io**)

Javascript Interview Questions:

1. What are the differences between null and undefined?
2. What are the differences between == and ===?
3. How would you compare two objects in JavaScript?
4. Remove duplicate members from an array using Javascript?
5. How to compute the sum of a given range

For ex: range 1 to 5

Output = 1+2+3+4 = 10;

1. Given an array with repeated elements/numbers, return an array of its index occurrences.

For ex: input = [1,3,1,6,1,8,2,1,0] ; search for element = 1;

Output = [0,2,4,7];

1. 2 and 3 rd largest numbers in the given array

For ex : input = [3,6,2,9,1,32,97,-1,5]

Output : 32, 9

1. Maximum of all subarrays of size k
2. Swap two numbers without using a temp variable?
3. Write a program / function to compute the first nonrepeating char in the given string

For ex : input = “asif shaik”

Output = f;

1. Write a program/function to sort the give array without using any inbuilt functions like .sort() or others
2. Sum of the largest two numbers in the given array.

For ex : input = [3,6,2,9,1,32,97,-1,5]

Output : 97 + 32

1. Check whether any two numbers in an array sums to a given number?
2. Given a numbered string like “8639412” convert it into the sorted string like”1234689”
3. How would you implement currying for any functions?
4. Does JavaScript pass parameter by value or by reference?
5. Check whether any two numbers in an array sums to a given number?
6. What is the out put of the following function

Function foo() {

Var x =10;

Function () {

b =x;

}

Console.log(x);

Console.log(b);

}

Console.log(x);

Console.log(b);

1. Write a sum method which will work properly when invoked using either syntax below.

console.log(sum(2,3)); // Outputs 5

console.log(sum(2)(3)); // Outputs 5

1. What is the significance of, and reason for, wrapping the entire content of a JavaScript source file in a function block. And how to do the same ?
2. What is the significance, and what are the benefits, of including 'use strict' at the beginning of a JavaScript source file?
3. What will be the output when the following code is executed? Explain.

console.log(false == '0')

console.log(false === '0')

1. What is a closure?
2. How does prototypal inheritance work, and how is it different from classical inheritance? (this is not a useful question IMO, but a lot of people like to ask it)
3. How does **this**work?
4. What is event bubbling and how does it work? (this is also a bad question IMO, but a lot of people like to ask it too)
5. Describe a few ways to communicate between a server and a client. Describe how a few network protocols work at a high level (IP, TCP, HTTP/S/2, UDP, RTC, DNS, etc.)
6. What is REST, and why do people use it?
7. My website is slow. Walk me through diagnosing and fixing it. What are some performance optimizations people use, and when should they be used?
8. What frameworks have you used? What are the pros and cons of each? Why do people use frameworks? What kinds of problems do frameworks solve?

ES6 Interview Questions:

1. What is an Arrow Function
2. How to use classed in ES6
3. What is template strings
4. What is destructing assignment in ES6
5. Var vs Let vs Const
6. How to use default parameters
7. Difference between For of and For in
8. What is modules and Module loaders
9. How do you filter and array of Objects
10. Map, Set, WeakMap
11. What is promises
12. Difference between for each vs for of vs for in vs array.map vs array.filter vs array.reduce
13. What is Immutability, its uses and what are the ways to create immutable data structures

React interview Online Test

<http://interview-questions-247.appspot.com/reactjs-interview-questions-set-1>

<http://interview-questions-247.appspot.com/reactjs-interview-questions-set-2>

<http://interview-questions-247.appspot.com/reactjs-interview-questions-set-3>

React Interview Questions

1. Compare and contrast creating React Components in ES5 and ES2015 (also known as ES6).
2. What are pure functional Components?
3. stateless vs statefull components and about react toolbox
4. State vs Props in react VS Angularjs
5. How to setup routing in reactjs
6. How do you **pass data from parent to child classes** in react?
7. How do you **modularize code** in react?
8. What are some changes in react using **es2015/es6 syntax**?
9. Use of **arrow notation**in react?
10. Various components in Redux vs MVC
11. Explain **lifecycle methods**of reactjs?
12. Given the code defined below, can you identify two problems?

class MyComponent extends React.Component {

constructor(props) {

// set the default internal state

this.state = {

clicks: 0

};

}

componentDidMount() {

this.refs.myComponentDiv.addEventListener(

‘click’,

this.clickHandler

);

}

componentWillUnmount() {

this.refs.myComponentDiv.removeEventListener(

‘click’,

this.clickHandler

);

}

clickHandler() {

this.setState({

clicks: this.clicks + 1

});

}

render() {

let children = this.props.children;

return (

<div className=”my-component” ref=”myComponentDiv”>

<h2>My Component ({this.state.clicks} clicks})</h2>

<h3>{this.props.headerText}</h3>

{children}

</div>

);

}

}

Redux Interview Questions

1. What is the concept of single source of truth in Redux
2. How is it different from MVC?
3. What are Actions and Reducers in Redux
4. What is Store in Redux
5. How is state changed in Redux?
6. Explain the data flow in redux ?
7. Immutability usage in Redux
8. Explain any few of the Async operations like redux-thunk , redux-saga, redux-observables, async await, Promises, rxjs