

Questions

1. Explain the terms Synchronous, Asynchronous and Non-blocking with respect to javascript?
2. How to emit an event and subscribe to an event in angular using observables?
3. What kind of tasks are eligible for asynchronous execution?
4. What is callback hell and how can it be avoided?
5. What is IIFE and why do we need them?
6. Explain closure
7. Explain setInterval,setTimeout
8. You have to send 1 or more files (only images) to the backend program. The backend team has shared a rest api with you, this rest api has the ability to receive either single or multiple files. You have to implement the required html,js code that can invoke this api and send the file/files to the backend.
9. When below code is executed the program should print the output
myObj.firstname("strange").lastname("fellow").age(30).get()
Note: get method should return a string.

Output

firstname : strange

lastname : fellow

age : 30

Complete the necessary implementation required to arrive at this output

10. Print prime numbers between 100 to 150
11. How inheritance applicable in javascript. Explain with an example
12. Explain abstraction,encapsulation,polymorphism,inheritance
13. Implement below program

Input

23,24,45,66,34,78,45,34,54,78,12,34

Output

No duplicates

23,24,45,66,34,78,54,12

descending order of above result

78,66,54,45,34,24,23,12

sum of duplicates that occurred more than once in the input

45,34,78,34=191

14. Write a program to output factorial of 10 numbers with recursion

15. What is the output of the program below?

```
let stock = {  
  facebook : 20,  
  print : function(){  
    console.log(this.facebook)  
  }  
}  
let obj = stock.print  
obj()
```

16. How does javascript work with single thread?