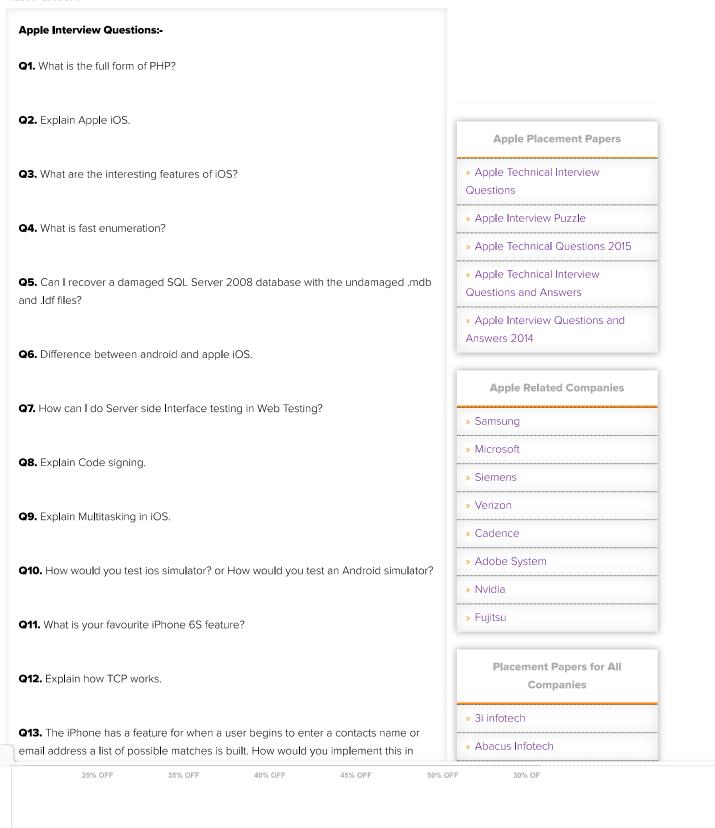# FreshersLIVE

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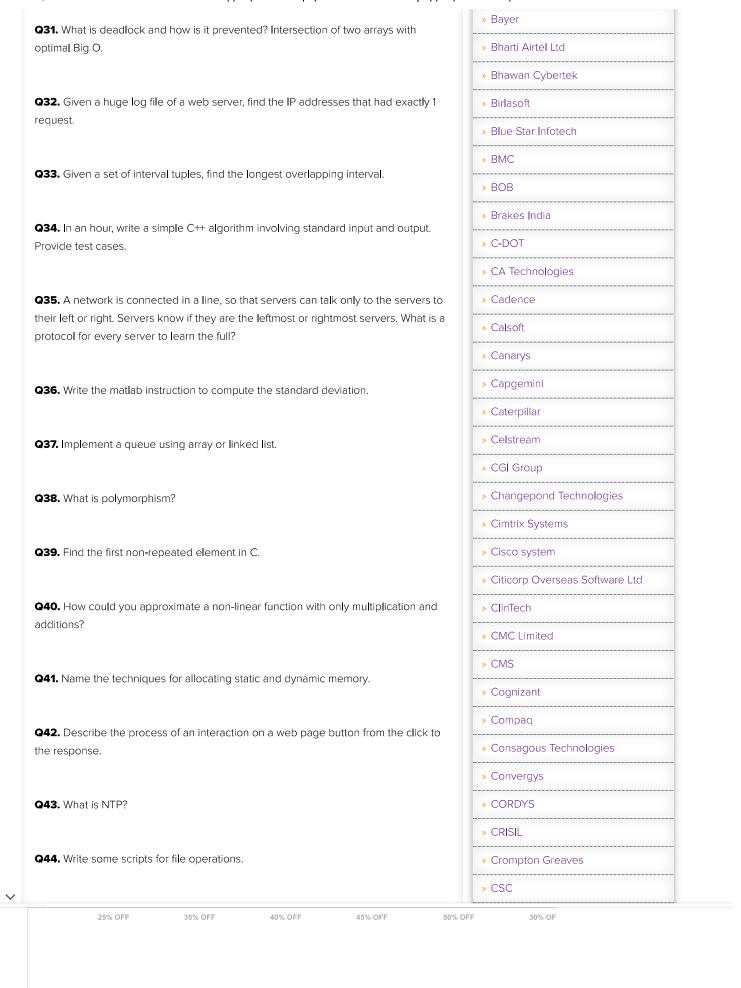
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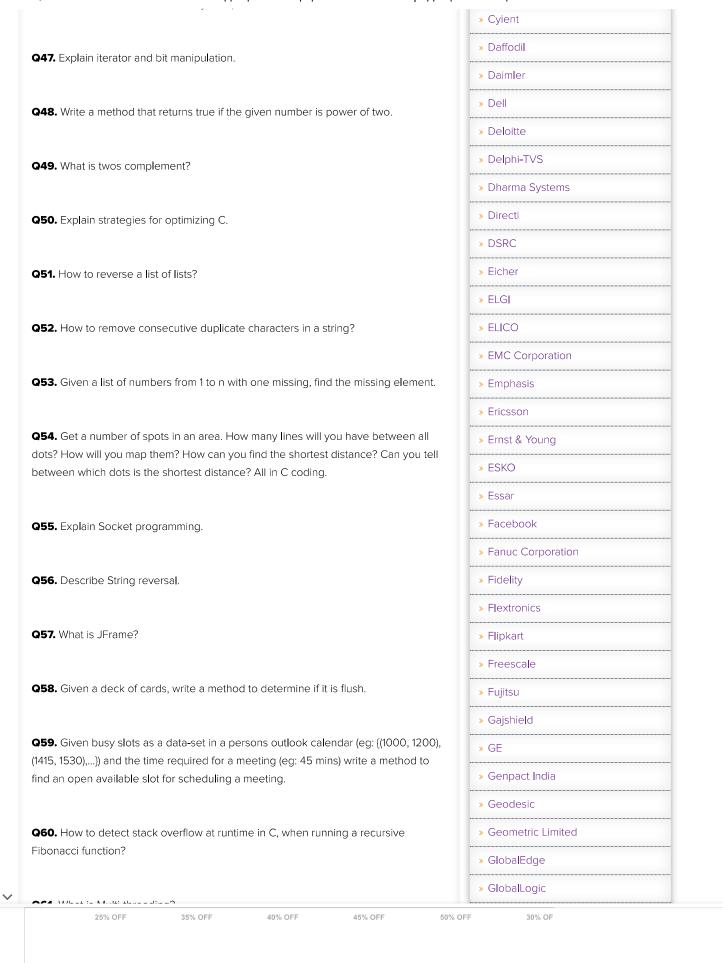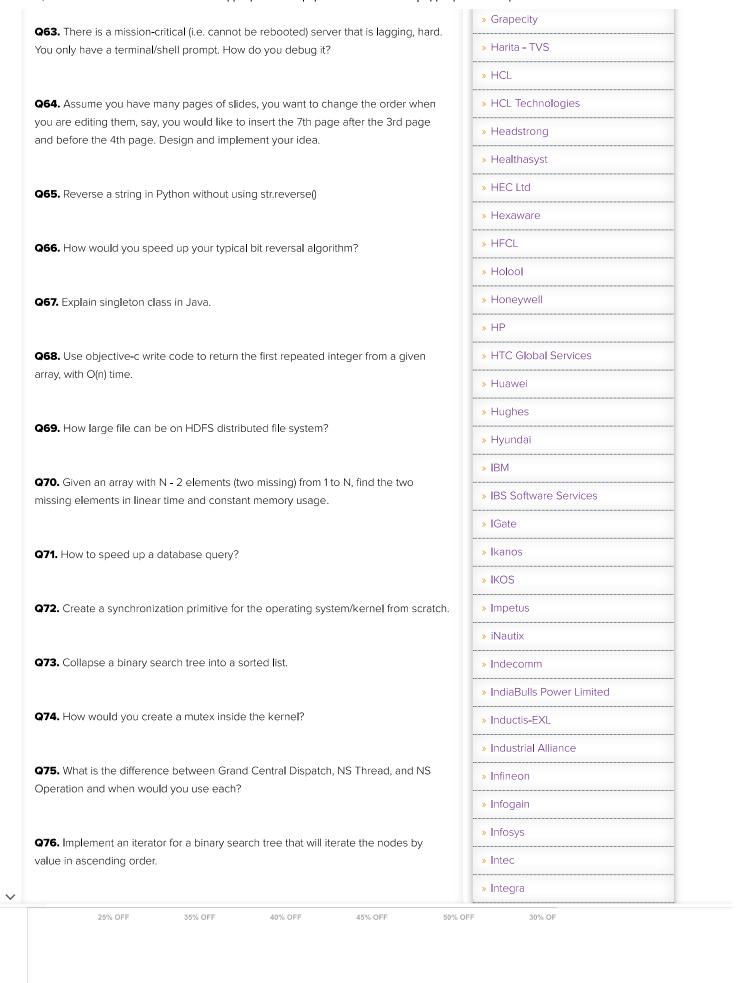
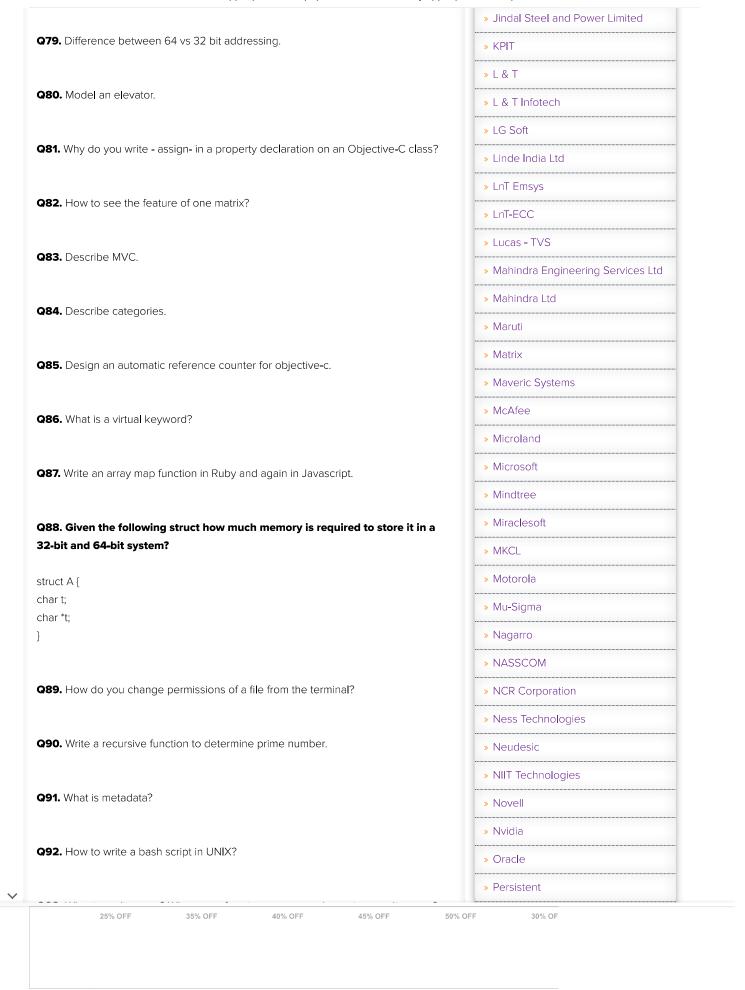# Apple Technical Interview Questions

Posted on :23-02-2016

Apple Interview Questions:-

Q1. What is the full form of PHP?

Q2. Explain Apple iOS.

Q3. What are the interesting features of iOS?

Q4. What is fast enumeration?

Q5. Can I recover a damaged SQL Server 2008 database with the undamaged .mdb and .ldf files?

Q6. Difference between android and apple iOS.

Q7. How can I do Server side Interface testing in Web Testing?

Q8. Explain Code signing.

Q9. Explain Multitasking in iOS.

Q10. How would you test ios simulator? or How would you test an Android simulator?

Q11. What is your favourite iPhone 6S feature?

Q12. Explain how TCP works.

Q13. The iPhone has a feature for when a user begins to enter a contacts name or email address a list of possible matches is built. How would you implement this in

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of the Apply TV?

Q15. What is dymanic binding?

Q16. How does memory management work in Objective-C?

Q17. Explain RAM, Hard Drive, and Processor.

Q18. Why is it important to use an Ethernet cable VS a WiFi connection when you start working from home?

Q19. Write a basic fibonacci sequence implementation.

Q20. How would you design a data structure that is an array, but with so many elements such that the array almost fills up the entire RAM?

Q21. Difference between strong and weak pointers?

Q22. How would you reverse a singly-linked list?

Q23. How does ARC work in Objective C, and how is it different from garbage collection?

Q24. How does delegation work?

Q25. Explain Hash table mechanism.

Q26. Is Java pass-by-value or pass-by-reference?

Q27. How to find the most frequent element in an integer array?

Q28. What is meant by run time of a binary search tree?

Q29. What data structure would you use to auto-complete a dialer when the phone may have thousands or hundreds of thousands of entries?

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Q31. What is deadlock and how is it prevented? Intersection of two arrays with optimal Big O.

Q32. Given a huge log file of a web server, find the IP addresses that had exactly 1 request.

Q33. Given a set of interval tuples, find the longest overlapping interval.

Q34. In an hour, write a simple C++ algorithm involving standard input and output. Provide test cases.

Q35. A network is connected in a line, so that servers can talk only to the servers to their left or right. Servers know if they are the leftmost or rightmost servers. What is a protocol for every server to learn the full?

Q36. Write the matlab instruction to compute the standard deviation.

Q37. Implement a queue using array or linked list.

Q38. What is polymorphism?

Q39. Find the first non-repeated element in C.

Q40. How could you approximate a non-linear function with only multiplication and additions?

Q41. Name the techniques for allocating static and dynamic memory.

Q42. Describe the process of an interaction on a web page button from the click to the response.

Q43. What is NTP?

Q44. Write some scripts for file operations.

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Q47. Explain iterator and bit manipulation.

Q48. Write a method that returns true if the given number is power of two.

Q49. What is twos complement?

Q50. Explain strategies for optimizing C.

Q51. How to reverse a list of lists?

Q52. How to remove consecutive duplicate characters in a string?

Q53. Given a list of numbers from 1 to n with one missing, find the missing element.

Q54. Get a number of spots in an area. How many lines will you have between all dots? How will you map them? How can you find the shortest distance? Can you tell between which dots is the shortest distance? All in C coding.

Q55. Explain Socket programming.

Q56. Describe String reversal.

Q57. What is JFrame?

Q58. Given a deck of cards, write a method to determine if it is flush.

Q59. Given busy slots as a data-set in a persons outlook calendar (eg: {(1000, 1200), (1415, 1530),...}) and the time required for a meeting (eg: 45 mins) write a method to find an open available slot for scheduling a meeting.

Q60. How to detect stack overflow at runtime in C, when running a recursive Fibonacci function?

Q61. What is Multi-threading?

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Q63. There is a mission-critical (i.e. cannot be rebooted) server that is lagging, hard. You only have a terminal/shell prompt. How do you debug it?

Q64. Assume you have many pages of slides, you want to change the order when you are editing them, say, you would like to insert the 7th page after the 3rd page and before the 4th page. Design and implement your idea.

Q65. Reverse a string in Python without using str.reverse()

Q66. How would you speed up your typical bit reversal algorithm?

Q67. Explain singleton class in Java.

Q68. Use objective-c write code to return the first repeated integer from a given array, with O(n) time.

Q69. How large file can be on HDFS distributed file system?

Q70. Given an array with N - 2 elements (two missing) from 1 to N, find the two missing elements in linear time and constant memory usage.

Q71. How to speed up a database query?

Q72. Create a synchronization primitive for the operating system/kernel from scratch.

Q73. Collapse a binary search tree into a sorted list.

Q74. How would you create a mutex inside the kernel?

Q75. What is the difference between Grand Central Dispatch, NS Thread, and NS Operation and when would you use each?

Q76. Implement an iterator for a binary search tree that will iterate the nodes by value in ascending order.

Q79. Difference between 64 vs 32 bit addressing.

Q80. Model an elevator.

Q81. Why do you write - assign- in a property declaration on an Objective-C class?

Q82. How to see the feature of one matrix?

Q83. Describe MVC.

Q84. Describe categories.

Q85. Design an automatic reference counter for objective-c.

Q86. What is a virtual keyword?

Q87. Write an array map function in Ruby and again in Javascript.

Q88. Given the following struct how much memory is required to store it in a 32-bit and 64-bit system?

```
struct A {
char t;
char *t;
}
```

Q89. How do you change permissions of a file from the terminal?

Q90. Write a recursive function to determine prime number.

Q91. What is metadata?

Q92. How to write a bash script in UNIX?

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Q95. Define a class for a linked list and write a method to delete the nth node.

Q96. Write code for writing to a circular buffer.

Q97. Write code for generating a factorial/fibonacci for a given number using both recursive and non-recursive methods. Explain advantages and disadvantages of each method.

Q98. If your browser crashes, how would you debug it only using the command line?

Q99. What is MAC address?

Q100. How to troubleshoot when email is not working on iPad?

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