



+ Add an Interview Question

Feedback | Got a question? Ask Gayle | RSS  
Interview Bootcamp - When is it coming to your city?

Search

Sign In with Your Google Account

Interviews | Forum | The Google Resume | Blog | Resources

## Amazon Interview Questions

Companies ↓

Job Titles ↓

Question Topics ↓

### CareerCup Books

### CareerCup Books: Cracking the Coding Interview & The Google Resume

Gayle Laakmann, author of [Cracking the Coding Interview](#) and [The Google Resume](#), is the founder of CareerCup.com and has worked for Google, Microsoft, and Apple as an engineer. In her time at these companies, she interviewed over 150 candidates and reviewed thousands of interview packets as a member of Google's Hiring Committee.

#### CareerCup Videos

Resume Editing

Mock Interviews

All Our Products

**Cracking the Coding Interview: 150 Programming Interview Questions and Answers** focuses on mastering the programming interview. Topics include: strategies to handle tough algorithm questions, preparation techniques, behavioral questions, and 150 programming interview questions and answers.

**The Google Resume: How to Prepare for a Career and Land a Job at Apple, Microsoft, Google, or any Top Tech Company** is a broader book designed in terms of both timeline and jobs discussed. Topics include: college majors, ideal projects and extracurriculars, writing a resume, landing a great internship, interview preparation, negotiating an offer, and navigating your career.

**Cracking the Coding Interview Packages (PDF sent via email)**

**CTCI (PDF)** 29.99

**BUY E-BOOK**

**Standard Package: CTCI (PDF) & Video** 39.99

**BUY STANDARD**

**Elite Prep Package: CTCI (PDF), Video & Resume** 174.95

**BUY ELITE**

Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) »

+ Add an Interview Question

Filter: (None) (None)

Go

Sort by: Date Added | [Number of Comments](#) | [Most Recently Commented](#)

#### Amazon Interview Question for Software Engineers about Data Structures

pansophism on June 29, 2011

print a tree layer by layer

7

[\[Full Interview Report\]](#)



Tags: Amazon » Data Structures » Software Engineer

Question #9672072 (Report Dup) | Edit

#### Amazon Interview Question for Software Engineers about Algorithm

pansophism on June 29, 2011

given a series of stock prices in an array. Pick when to buy and when to sell to gain max profit.

(This a the worst experience for me ever! It is just a simple max sum problem. The interviewer came in with his computer and kept smiling at it while his phone rings all the time. I couldn't even think. This guy totally screwed my interview.)

19

[\[Full Interview Report\]](#)



Tags: Amazon » Algorithm » Software Engineer

Question #9663203 (Report Dup) | Edit

#### Amazon Interview Question for Software Engineers about Object Oriented Design

pansophism on June 29, 2011

expression tree design.

1

[\[Full Interview Report\]](#)



Tags: Amazon » Object Oriented Design » Software Engineer

Question #9670124 (Report Dup) | Edit

#### Amazon Interview Question for Software Engineers about Puzzles

pansophism on June 29, 2011

25 horses. 5 gates to race. how many races you need to select top 3 fast horses?

25

[\[Full Interview Report\]](#)



Tags: Amazon » Puzzles » Software Engineer

Question #9663202 (Report Dup) | Edit

#### Amazon Interview Question for Software Engineers about Arrays

pansophism on June 29, 2011

given two sorted arrays. A and B. there are empty spaces in A which is same size of B.

Merge them.

Write code.

4

[\[Full Interview Report\]](#)



Tags: Amazon » Arrays » Software Engineer

Question #9670123 (Report Dup) | Edit

#### Amazon Interview Question for Software Engineer in Tests

kvap on June 27, 2011

### Server not found

Firefox can't find the server at chatterous.com.

- Check the address for typing errors such as [www.example.com](#) instead of [www.example.com](#)
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the Web.

Chat window too small? [Open in new window.](#)  
[Connect via gchat.](#) [Access history.](#)

**How to Get Better Chat Responses - READ THIS FIRST** | [Disable Chat.](#)

Follow CareerCup on Twitter

[Follow CareerCup on Twitter](#)

**More from Glassdoor.com**

[Amazon.com Jobs](#)

[Amazon.com Salary](#)

how do you test the numbers present in a linked list is palindrome or not ? (list is a singly linked list)

20 🐼

[\[Full Interview Report\]](#)



Created by [Gayle Laakmann](#) | [About CareerCup](#)

Tags: [Amazon](#) » [Software Engineer in Test](#)

Question #9660828 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineer in Tests about Trees and Graphs](#)

kvap on June 27, 2011

how do you test given BST is a valid BST?

13 🐼

[\[Full Interview Report\]](#)



Tags: [Amazon](#) » [Trees and Graphs](#) » [Software Engineer in Test](#)

Question #9604855 (Report Dup) | [Edit](#)

[Amazon Interview Question about Algorithm](#)

kap on June 27, 2011

given a bst and a value x.find pair of nodes in the tree that sum upto x

21 🐼



Tags: [Amazon](#) » [Algorithm](#)

Question #9553305 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineer / Developers about Data Structures](#)

None on June 26, 2011

Sorted Array Merge Problem: Design an algorithm to merge two sorted positive integer arrays A and B. Size of array A is n and size of array B is m. Array A has m empty blocks(-1) at random places. Merge array B into A such that array A is sorted and does not have empty blocks.

16 🐼



Tags: [Amazon](#) » [Data Structures](#) » [Software Engineer / Developer](#)

Question #9626448 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineer / Developers](#)

aks on June 26, 2011

3)Given a file containing number of words , with one word per line .Print a string together that are anagrams

4 🐼



Tags: [Amazon](#) » [Software Engineer / Developer](#)

Question #9532308 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineer / Developers](#)

aks on June 26, 2011

1)Given a large file containing 10 bit integers,and a limited memory , sort the entire file and store back to file.

Constraints : You cannot read entire file in main memory at a time as meory is limited (small)

Follow up questions: Quick sort working,complexity best,avg,worst

Hint :Use property of 10 bit integer

8 🐼



Tags: [Amazon](#) » [Software Engineer / Developer](#)

Question #9652092 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineers](#)

Anonymous on June 26, 2011

There is a straight roads with 'n' number of milestones. You are given an array with the distance between all the pairs of milestones in some random order. Find the position of milestones.

Example:

Consider a road with 4 milestones(a,b,c,d) :

a <--- 3Km --->b<--- 5Km --->c<--- 2Km --->d

Distance between a and b = 3

Distance between a and c = 8

Distance between a and d = 10

Distance between b and c = 5

Distance between b and d = 7

Distance between c and d = 2

All the above values are given in a random order say 7, 10, 5, 2, 8, 3.

The output must be 3,5,2 or 2,5,3

20 🐼



Tags: [Amazon](#) » [Software Engineer](#)

Question #9655122 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineers](#)

Anonymous on June 25, 2011

Q1. I have four operations

Set(i) sets the ith bit

Unset(j) unsets the jth bit

Set(i,j) sets the bits b/w i and j

Unset(i,j) unsets the bits b/w i and j

Design a data structure for this problem with minimum time and space complexity.

9 🐼

[\[Full Interview Report\]](#)



Tags: [Amazon](#) » [Software Engineer](#)

Question #9653918 (Report Dup) | [Edit](#)

[Amazon Interview Question for Software Engineers](#)

Anonymous on June 25, 2011

Given an integer array.  
e.g. 1,2,3,4,5  
Compute array containing elements  
120,60,40,30,24 ( $2*3*4*5$ ,  $1*3*4*5$ ,  $1*2*4*5$ ,  $1*2*3*5$ ,  $1*2*3*4$ )  
So I gave simple solution using division operator. He said that what if there is a 0 as an element and  
what if there are two zeroes.  
Then he asked me to do it without using division operator. So after little fumbling I did it in  
 $O(n)$   
extra space and  $O(n)$  time.  
Then he asked me to do it in  $O(1)$  space and  $O(n)$  time.

11 🐼

[\[Full Interview Report\]](#)

Tags: Amazon » Software Engineer

Question #9634956 (Report Dup) | Edit

**Amazon Interview Question for Software Engineers about Object Oriented Design**

Itcecsa on June 23, 2011

Design a file system



Tags: Amazon » Object Oriented Design » Software Engineer

Question #9625720 (Report Dup) | Edit

**Amazon Interview Question for Software Engineers**

Anonymous on June 22, 2011

There is a document and some key words are given. Find the minimum length of substring  
in the  
document which contains all the keywords. The substring can contain key word in any  
order.

13 🐼

Tags: Amazon » Software Engineer

Question #9619360 (Report Dup) | Edit

**Amazon Interview Question for Software Engineers**

Anonymous on June 22, 2011

How do you implement the dynamic memory allocation using heap

4 🐼



Tags: Amazon » Software Engineer

Question #9577778 (Report Dup) | Edit

**Amazon Interview Question for Software Engineers**

Anonymous on June 22, 2011

two BST were given and find the largest common bst that exists between these two

37 🐼



Tags: Amazon » Software Engineer

Question #9577777 (Report Dup) | Edit

**Amazon Interview Question for Software Engineer / Developers**

Anonymous on June 22, 2011

You are given an array of integers, say array1 of size n. You have to create another array  
(say array2) and fill its contents by following this rule: array2[i] will hold the value of the  
left-most integer from the range array1[i+1] to array1[n-1] such that it is greater than  
array1[i]. If no such element exists, assign -1.

29 🐼

Tags: Amazon » Software Engineer / Developer

Question #9590302 (Report Dup) | Edit

**Amazon Interview Question for Application Developers about C**

sreebabu on June 20, 2011

print the nodes of binary tree in on sorted oder

18 🐼

[\[Full Interview Report\]](#)

Tags: Amazon » C » Application Developer

Question #9601906 (Report Dup) | Edit

**Amazon Interview Question for Application Developers about C**

sreebabu on June 20, 2011

reversing of double linked list

9 🐼

[\[Full Interview Report\]](#)

Tags: Amazon » C » Application Developer

Question #9550883 (Report Dup) | Edit

**Amazon Interview Question for Software Engineer / Developers**

Payback on June 20, 2011

3)given a linkedLists with next and arbit pointers, duplicate it.  
Write neat code for all algorithms.

9 🐼

[\[Full Interview Report\]](#)

Tags: Amazon » Software Engineer / Developer

Question #9612701 (Report Dup) | Edit

**Amazon Interview Question for Software Engineer / Developers**

Payback on June 20, 2011

2)given two numbers represented as linkedLists, like 135 is written as 1->3->5, find the  
sum of the two numbers.

I reversed and added. Said don't reverse and do it now(Use recursion!)

18 🐼

[\[Full Interview Report\]](#)

Tags: Amazon » Software Engineer / Developer

Question #9612700 (Report Dup) | Edit

**Amazon Interview Question for Software Engineer / Developers about Algorithm**

Payback on June 20, 2011

f2f round 4

1)given an array with positive and negative numbers find the first continuous subarray that sums to 0!

16 🐼

[\[Full Interview Report\]](#)Tags: [Amazon](#) » [Algorithm](#) » [Software Engineer / Developer](#)Question #9539034 (Report Dup) | [Edit](#)[Amazon](#) Interview Question for [Software Engineer / Developers](#) about [Algorithm](#)

payback on June 20, 2011



3) construct double linklist out of a BST

1 🐼

[\[Full Interview Report\]](#)Tags: [Amazon](#) » [Algorithm](#) » [Software Engineer / Developer](#)Question #9550874 (Report Dup) | [Edit](#)[Amazon](#) Interview Question for [Software Engineer / Developers](#) about [Algorithm](#)

payback on June 20, 2011



f2f round 2

2) Given a no. find all pairs of elements in a balanced bst, which sum to this number. Make sure you don; return same pair again.

9 🐼

[\[Full Interview Report\]](#)Tags: [Amazon](#) » [Algorithm](#) » [Software Engineer / Developer](#)Question #9607858 (Report Dup) | [Edit](#)[Amazon](#) Interview Question for [Software Engineer / Developers](#) about [Algorithm](#)

payback on June 20, 2011



f2f round 2

1)diameter of a tree, write good code for getting height

4 🐼

[\[Full Interview Report\]](#)Tags: [Amazon](#) » [Algorithm](#) » [Software Engineer / Developer](#)Question #9543883 (Report Dup) | [Edit](#)[Amazon](#) Interview Question for [Software Engineer / Developers](#) about [Algorithm](#)

kumarasvn on June 20, 2011



How will u find cube root of a number in efficient way?

6 🐼

Tags: [Amazon](#) » [Algorithm](#) » [Software Engineer / Developer](#)Question #9599857 (Report Dup) | [Edit](#)[Amazon](#) Interview Question for [Software Engineer / Developers](#) about [Bit Manipulation](#)

kumar on June 20, 2011



The function signature looks like this:

```
boolean isPalindrome(int x)
```

It should return true if the the bit pattern of x is the same as when you reverse it.

9 🐼

Tags: [Amazon](#) » [Bit Manipulation](#) » [Software Engineer / Developer](#)Question #9607833 (Report Dup) | [Edit](#)[Amazon](#) Interview Question for [Quality Assurance Engineers](#) about [Brain Teasers](#)

ZathrasOne on June 20, 2011



What happens when two balls interact on the screen (not the obvious answer of their physical interaction, I don't know the goal of the question).

2 🐼

[\[Full Interview Report\]](#)Tags: [Amazon](#) » [Brain Teasers](#) » [Quality Assurance Engineer](#)Question #9607798 (Report Dup) | [Edit](#)Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) »

..