database joins

unit testing

arraylist vs linkedlist

BST's

agile environments

tough situation in project. described team experience. tough manager

array or linked list when heap sort (array?)

*write any relational database schema and talk about the pro   and con of relational database compared to the non-relational one*

*Explain an aspect of your undergraduate research to me???*

explaine about Abstraction, encapsulation, inheritance, polymorphism

chess problem?

Look up OO iv questions

diamond/multiple inheritance problem

Access modifiers are public, protected, private.  
  
Public members are accessible within it's class, outside it's class (includes across packages, subclasses)  
Protected members are only accessible within it's class, subclasses and same package.  
Private members are only accessible within it's own class. (not even subclasses or same package. But there are ways to go around this.)

*What is the biggest mistake you made in a past job*

[http://stackoverflow.com/questions/10622927/class-and-paint-relationship-in-oops](http://stackoverflow.com/questions/10622927/class-and-paint-relationship-in-oops" \t "_blank)

*v*

*Explain DNS server*

*What is the difference between a Set and a List?*

Sets do not contain duplicates whereas list can contain duplicates

*If you were to have a choice between Systems Engineer or   Software Engineer, which one would you pick?*

*When was there a time when ONE SINGLE project was so   overwhelming that you felt there weren't enough hours in a day for it and what did you do?*

Have you ever been in a situation where a group/team member did not perform as expected? How did you handle that?

[http://stackoverflow.com/questions/764933/amazon-interview-question-design-an-oo-parking-lot](http://stackoverflow.com/questions/764933/amazon-interview-question-design-an-oo-parking-lot" \t "_blank)

*What are some examples of testing?* Black box, white box, unit testing, security, stress, etc.

*Given a sorted array of 10 elements, explain how a binary   search would work for an element and show the trace for low, mid, and high*

*Explain to me your largest achievement in a college course   you were taking or at a job you had while you were in college*

Tell me about a time when you missed a deadline

In this case it was a recursive algorithm to reverse a string. The downfall is that if the string is too long it would throw a StackOverflowException

Describe the most difficult software bug you ever encountered in software you were developing, how you approached it, and how you resolved it (if you resolved it).

Describe a scenario where you tried to troubleshoot and you succeeded

Tell me of a time when you received a negative review or grade on a project that you believe was unfair.

# They asked me about design patterns in general

Database normalization

Coding a game of checkers

Fizz-buzz question

Java swing

If you can change some features of your favorite pro lang, what are they

Complexity of various search algorithms like in - linked list - binary tree - array

http://swcodes.blogspot.com/2012/09/chess-game-design.html

Look over common exceptions

Tell me something that you really like about Java and something that you really dislike

Can you explain what a garbage collector is?

n computer science, garbage collection (GC) is a form of automatic memory management. The garbage collector, or just collector, attempts to reclaim garbage, or memory occupied by objects that are no longer in use by the program

What is cloud computing

write a program to find max number read input from user and return max number. ACID properties

Time Complexity of Linked Lists

They will ask a question about how you find a bug and corrected it