

Part 1: Tech short questions

1. What's the difference between passing by value or and passing by reference?

When we pass by value, we make a copy of the content of the variable being passed into the receiving variable but passing by reference copies the address of the variable, hence pointing to the same content.

2. What the difference between the DOM and jQuery?

The DOM is the tree-like representation of web documents while jQuery is a JavaScript library that helps simplify DOM manipulation and request.

3. What's the difference between a git branch and a git fork?

The branch command creates a copy of a specific branch in the repository, but the fork command makes a copy of a repository.

4. What's the difference between a DNS A record and a DNS CNAME?

An A record holds the address (could be multiple) that links to a specific domain name but a CNAME record is a name, an alias that refers to another name.

5. What's the difference between AD (Active Directory) and LDAP?

LDAP is a lightweight protocol for directory services and Active Directory is a Microsoft implementation of it that only runs on Windows OS.

Part 2: Experience questions

- ✓ Taught or mentored a less-experienced software developer?
- ✓ Worked with unit-tests, TDD, test harnesses, or QA testers?
- ✓ Written code in a scripting language that made SQL queries to a database?
- ✓ Debugged code using Chrome DevTools, FireFox Developer tools, or Postman?
- ✓ Written or extended an API?

Written something that's in production that needed to run as the root user?

Written anything with SCIM or had to deal with SAML2 or OIDC?

Worked in IT for a company with more than 10,000 employees?

Worked in IT for a tech startup?

Worked in IT Operations?

Part 3: Philosophy and Methodology

If you inherit a somewhat large codebase and find that it has a confusing or inconsistent naming scheme, what would you do?

I would start renaming the codebase with the help of editors that can replace every occurrence of a variable. I would consider language naming conventions and possible internal naming schemes that could be implemented. I would also consider documenting those changes and the new naming conventions for reference.