Accelerize360 Initial Round Form
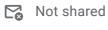
rishithreddy432@gmail.com Switch account

Not shared

* Indicates required question

T-AQ

Technical and Analytical Knowledge Questions

Which programming languages are you experienced/knowledgeable in? (Select any that apply) (Questions in next round will be based on options selected here)

- [ ] ASP / [ASP.NET](ASP.NET)
- [x] C
- [x] C++
- [ ] C#
- [ ] Cascading Style Sheets (CSS)
- [x] HTML
- [x] Java
- [x] Javascript
- [x] Node.js
- [ ] Bootstrap
- [ ] jQuery
- [x] MySQL
- [ ] Python
- [ ] Ruby on Rails
- [x] SQL
- [ ] Swift
- [ ] XML
- [ ] Other:

Which software platforms are you experienced/knowledgeable in? (Select any that apply) (Questions in next round will be based on options selected here)

- ☐ Amazon Web Services (AWS)
- ☐ Azure
- ☐ GCP
- ☐ Wordpress
- ☐ Snowflake
- ☐ Databricks
- ☐ Tableau
- ☑ GIT
- ☐ Other:

You have been asked to create a database for a train station and ticket management system.   *

How many data tables/objects would you create for this?
(Details of data tables might be asked in future rounds)

- ☐ 2
- ◉ 3
- ☐ 4
- ☐ 5 or more

You have been asked to create a database for a grocery store management system.

How many data tables/objects would you create for this?
(Details of data tables might be asked in future rounds)

*

○ 2

◉ 3

○ 4

○ 5 or more

_____ is part of software development but is not a part of the processes that happen when the software itself runs.

*

○ Validation

○ Specification

◉ Development

○ Dependence

What are the attributes of a good software? *

○ Development

◉ Maintainability & functionality

○ Functionality

○ Maintainability

What is the advantage of Abstraction in Object-Oriented Programming? *

○ Re-usability

○ Its the safest way to keep your code and database secure

○ It allows code to be simplified and organized, for faster development

○ It allows to override some functions

○ It makes your program user friendly

◉ All of the above

An application's database is not getting quality data entered by its users   *
(incomplete data, wrong/irrelevant information, etc.)
What do you recommend to resolve this issue?

○ Automation that detects and deletes any entry that doesn't meet quality standards

◉ Constant review and monitoring of new data entries

○ User training

○ Robust user Interfaces and automatic checks/validations that only allows quality
data

○ A manager to supervise the data entry

A data table with 10 columns/fields needs to expose only 2 columns/field's data   *
to public API/Server.

There are concerns of security leak for the remaining 8 columns/fields. What's
the best way to avoid all columns being exposed.

○ Create the server/API such that it only has the ability to query the 2 columns, nothing
   else

○ Add authentication methods for the public API/Server

◉ Create another data table that only has those 2 columns and maintain data sync
   between the 2 data table

○ Add an automation to delete or mask data from the other 8 columns.

Which of the following is true about cloud computing? *

○ Cloud computing is a term referred to storing and accessing data over the internet.

○ There is no cloud, it's just someone else's computer

○ Cloud computing is a computing technique in which your computer resource's like
   computing power, data storage, network etc contribute the application's
   performance

◉ All of above

Why should you add comments to code? *

○ Developer may forget what they built

○ To give context to non-technical team members

○ Its part of the code review and quality check process

○ When a new team member arrives, they can understand the code faster

○ Its part of documentation process

◉ All of the above

In the below options, what's the best way to handle errors? *

○ A) Use if/else statements and use a trial and error strategy to pin point the issue

○ B) Ask a senior developer to review the code

◉ C) Implement try/catch/except blocks with a notification

○ D) Both A & C

Why is JSON preferred over XML? *

○ JSON is newer, so it supports newer type of APIs which are more secure

○ Same data in JSON can be written in a shorter format, making it lighter and quicker than XML

○ You can add comments in JSON making it more user friendly to read by non-technical team members

◉ All of the above

How does indexing make queries perform faster? *

○ It re-organizes the whole data table in a sequence

◉ It adds pointers/flags/maps to commonly used records for quick retrieval

○ It allows more system bandwidth like CPU and RAM capacity to be used during queries

○ None of the above

Which of the method(s) below help your classes to look more modular and protected? *

○ A) Inheritance

○ B) Encapasulation

◉ C) Both A & B

○ D) Polymorphism

○ E) Abstraction

Page 2 of 8

Back   Next   Clear form

Never submit passwords through Google Forms.

This form was created inside of Accelerize360. Report Abuse

Google Forms