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1.How would you design your application if you want to serve millions of requests per second? How would serve millions of requests per second? How would you design your database to support the high volume?

I would use NoSQL database and a webserver with Auto scaling feature.

2.How would you deploy cloud applications AWS S3, EC2 and lambda?

From console management you Can have access to all these services.

EC2: create a Virtual Machine, , Create a Service Role, Create key pair.

S3: Navigate to S3 in the AWS Console. Create the bucket. Properties section and choose static website hosting option.

Lambda: Upload deployment package using the Lambda console.

3. what are some issues that can arise when using a <br> tag? JAVA

4.List different types of relationships in SQL and explain them?

One to one: Thing A cannot be related to more than one Thing B and vice versa

Example: Phone and phone number

One to many: Thing A can be related to more than one thing B but Thing B cannot be related to more than one Thing A

Example: Employee and department

Many to many: Thing A can be related to many Thing B and Thing B can be related to many Thing A

Example: Author and book

5. what is user-defined function? what are its various types?

A user-defined function is a function provided by the user of a program

There four types:

Function with no arguments and no return value.

Function with no arguments and a return value.

Function with arguments and no return value.

Function with arguments and a return value.