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Google Online Challenge for TSS 2022

- Difficulty Level :\nHard
- Last Updated :\n10 Nov, 2021

For the position Technical Solution Specialist. Test was conducted on Cocubes.

Time : 30 Minutes

No. of Question : 28

Topics: Web Technologies (5 Questions)

- Networking (5 Questions)
- Linux/Unix (5 Questions)
- Database (5 Questions)

Code Fundamentals (8 Questions)

Networking :

1. DNS Port Number : 53
2. CDN Full form : Content Delivery Network
3. ECMP Protocol : equal cost multi path protocol
4. TCP and UDP differences
5. Loss % MTR

Web Technologies:

1. Center a paragraph using multiple web teck : html,css,javascript,jquery
2. How a web server handle multiple request :
3. Content service by CDN which is not useful
4. HTTP Status code for invalid credentials : 401
5. HTTP Method to reterive information of resource : GET

UNIX/LINUX:

1. What is Load Average : avg system load
2. Permissions to open a file,modify and save : read and write
3. Analysis on output of free -m
4. How to execute command as another user : sudo
5. & operator is used for : to run command in background

Code Fundamentals:

1. Worst Case complexity of Quick Sort :
2. Number of nodes at 3rd level of fully binary tree :
3. Data Structure for FIFO Tickets distribution : Queue
4. Code
5. Code
6. How to save password :
7. Binary search is based on : Divide and Conquer
8. How to detect loop in a linked list in optimal way : two pointer approach

Database:

1. Outer join
2. SQL query to count records
3. Transaction serial
4. big table query optimaztion
5. To insert 2 row in a table but snapshot isolation is applied what will happen

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