

# Google Interview Experience for TSS

- Last Updated : 23 Nov, 2021

Google Online Challenge -2021 for TSS position

No. of Question: 28

Time: 30 Minutes

Subject : Web Technology, Networking, UNIX/LINUX, Database, Code Fundamentals

## Networking :

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

## Web Technologies:

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

## UNIX/LINUX

1. What is Load Average: avg system load
2. Permission 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 :  $O(n^2)$
2. Number of nodes at 3rd level of fully binary tree :
3. Which data structure to use for FIFO Tickets distribution : Queue
4. Pseudo Code Analysis
5. Pseudo Code Analysis
6. How to save password :
7. Binary search is based on which strategy: Divide and Conquer
8. How to detect loop in a linked list in optimal way: two pointer approach

## Database

1. How does Outer join works?
2. SQL query to count records
3. Transaction serial
4. Big table query optimization
5. If we insert 2 row in a table and snapshot isolation policy is applied what will

happen

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