

Google Bangalore Interview Experience

- Difficulty Level : \nMedium
- Last Updated : \n26 Feb, 2020

Initial HR Discussion:

Some recruiter from Singapore contacts through my google mail.

She asked basic questions related to sorting algorithms.

1. \xc2\xa0Which is better heap sort or merge sort ? Why ?.
2. \xc2\xa0In which data structures log n time search is guaranteed\xc2\xa0 [Binary tree, Hash Map, \xc2\xa0 BST, Arrays]
3. What is the lower bound for number of comparisons while sorting ?
4. \xc2\xa0What is worst case of quicksort ?
5. What is space complexity for heap sort ?
6. If there are 1000 computers and 99% are not connected to internet and 5% have defective CPU.Find number of computers defective as well as disconnected.

Telephonic Phone Screen

- 1.\xc2\xa0 How to check if a number is a fibonacci ?

```
bool function(int n) {}
```

<https://www.geeksforgeeks.org/check-number-fibonacci-number/>

- 2.\xc2\xa0 Find minimum number of fibonacci number whose\xc2\xa0 sum is equal to given sum K;

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