

b'

GOCC14: Google's Online Coding Challenge New Grad (India)

- Difficulty Level : [Medium](#)
- Last Updated : 25 Aug, 2020

The Google online challenge 2020 for new graduate 2021 was held on August 22. It was a 60-minute online test having 2 questions to code.

The exam was conducted on HackerEarth. But first, your resume should be shortlisted for the exam then they will send you link & passkey with the time span of 5 hr

i.e(mine scheduled between 3 p.m to 8 p.m) but the duration of the exam was 1 Hour only

First Question: Size of the smallest subset with maximum Bitwise XOR in a 2-D matrix & return the smallest subset

```
a[1,1]^a[1,2]\r\na[2,1]^a[2,2]\r\na[1,1]^a[1,2]  a[2,1]^a[2,2];
```

In Case of multi answer return the smallest subset

Time complexity $O(n^2)$;

Second Question: Given an unsorted array, you have to delete an element such that after deletion every subset of the array having min & max element in increasing order(a similar approach like window sliding)

Time complexity $O(n^2)$

Eg:

```
arr[]={2,3,4,5,1,6,7};\r\ndelete(1)\r\nafter deletion \r\n(2,3) \r\n(2,3,4)\r\n(2,3,4,5)\r\nand so on..
```

In this, Some corner case must be kept in mind while solving the question

My Personal Notes

[Add your personal notes here](#)

[Save](#)