

# Microsoft Interview Experience | Set 72 (For Software Engineer)

- Difficulty Level : [Medium](#)
- Last Updated : 14 Oct, 2015

## Online Round on Hackerrank \xe2\x80\x93 1 Hr:

1. Maximum product sub-array.

<https://www.geeksforgeeks.org/maximum-product-subarray/>

2. Building bridges across cities. Find the maximum number of bridges that can be built.

### Round 1:

1. Find the median of two sorted arrays.

<https://www.geeksforgeeks.org/median-of-two-sorted-arrays/>

2. Store a mirrored matrix (  $\text{Mat}[i][j] == \text{Mat}[j][i]$  ) efficiently.

### Round 2:

1. Stream of urls coming, find out top trending topics

General discussion around designing such a system in a distributed setup.

2. Discussion on designing a spam email detection system.

### Round 3:

1. Rotate a given array.

<https://www.geeksforgeeks.org/array-rotation/>

2. Count frequencies of elements in an array.

<https://www.geeksforgeeks.org/count-frequencies-elements-array-o1-extra-space-time/>

### Round 4:

1. Connect nodes at the same level in a binary tree.

<https://www.geeksforgeeks.org/connect-nodes-at-same-level/>

2. Design a LRU cache

<https://www.geeksforgeeks.org/implement-lru-cache/>

3. Find a given word in a board of characters

<https://www.geeksforgeeks.org/boggle-find-possible-words-board-characters/>

Would like to thank geeksforgeeks for the big collection of relevant interview questions.

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[All Practice Problems for Microsoft !](#)

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