

## Microsoft Interview Experience | Set 109 (2 years experienced)

- Difficulty Level :[Medium](#)
- Last Updated :[20 Dec, 2018](#)

### Round 1 (Telephonic)

1. [What is LRU. How to Implement it.](#)
2. Find kth smallest element in an array.  
**Solution:** [GeeksforGeeks Link](#)
3. In a file, there are two columns, first column has some word (String) and 2nd column has some value (Double).

Example :-\r\nABC 23.4\r\nERF 34.89\r\nWERT 122.9\r\n\r\nNow user wants some arithmetic operations like \r\n1) ABC +

4. Design an efficient DS for these kind of operations.

### Round 2 (F2F)

1. Asked about current Project.
2. Given a string str. You have to make this string to square string with maximum length. A square string is of the following format:  
str = x + x; where x is any string. Return length of this square string.

Example \r\nstr = ababa\r\nMax length square string = 4;\r\nstr = abcd\r\nMax length square string = 1;

### Round 3 (F2F)

1. Asked about current project. Asked to draw architecture of my project. Then Asked to design a new feature that is currently not there in my project.
2. Design undo and redo operation in Microsoft Word like text editor.
3. Design Hit Counter. ([Design Hit Counter](#))

### Round 4 (F2F)

1. Asked about current project.
2. You are given a text file. You have to return the list of starting index of the given word in text file. Design an efficient DS for that.

Example :-\r\nText file content : "geeks for geeks"\r\nword : "geeks"\r\nList : {0,10}

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Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above.

[All Practice Problems for Microsoft !](#)

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