



## Interview Problems

1. Write a function which accepts two parameters - an array of positive integers and a positive integer. This function should return the minimal length of a contiguous subarray of which the sum is greater than or equal to the integer passed to the function. If there isn't one, return 0 instead.

### Examples:

- `minSubArray([2,3,1,2,4,3], 7)` // 2 -> coz [4,3] is the smallest subarray
- `minSubArray([2,1,6,5,4], 9)` // 2 -> coz [5,4] is the smallest subarray
- `minSubArray([3,1,7,11,2,9,8,21,62,33,19], 52)` // 1 -> coz [62] is > 52
- `minSubArray([1,4,16,22,5,7,8,9,10], 95)` // 0

2. Create an application that can get a list of items from mongoDB or whichever DB you are comfortable in working with. Display them in a table and make each entry as editable & deletable. On editing/deleting the values it should be reflected on the DB. Also provide an option to create a new entry.

### DB schema shall have following entries:

- User Name [string]
- Interests [text] - Optional, max 512 characters
- Plan Type [string - "Free Trial", "Bronze", "Gold", "Platinum"]
- Admiration Points [number - min 0.0 & max 5.0] - can accept 4.2 but not 4.25
- Subscription Date [Date & Time - 01/05/2021 12:00:00 PM] - Not Editable should be auto filled while putting the entry or while changing the Plan Type.
- Expiry Date [Date & Time - 01/05/2022 12:00:00 PM] - Editable should be minimum 1month from the date of subscription. Step 1month
- Is Active [Boolean - true/false] - Default True

**Mock Screen:** <https://prnt.sc/12cygo0> | You can design your own screen as well.

### 3. **Building a Daily Standup Application in 2 hours.**

The daily standup has become a norm in the schedule of most developers around the world. A standup is a daily team meeting, at a specific time for a specific duration, that asks team members to answer three major questions:

What did I work on yesterday?

What am I working on today?

What issues are blocking me?

The Daily Standup answers these questions but does not resolve them. When put to good use, Daily Standups increase team productivity and also enhance cohesion between all the parties involved.

**Task:** Assign a flow and the right tools to build this web app in less than 2 hours  
We want the response entered to be saved in a database or a JSON file. The responses should be displayed as a list.

Please share your queries and responses to **[contact@admireasia.com](mailto:contact@admireasia.com)**