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Prefix sum

- [ ] Let's start with the definition of prefix sum with some visualization of the following [Video](#)
- [ ] [Here](#) is the Slides for Prefix Sum.
- [ ] Articles on Prefix Sum:
    - [ ] [Geeks for Geeks](#)
    - [ ] [Algorithms: How Prefix Sums Can Help Improving Operations Over Arrays](#)
- [ ] What if we wanted to know the sum of any range or a range that doesn't necessarily start on the 0th index?
    - [ ] For eg:

        ```
        arr = [10,20,5,10,5,15]
        prefix_sum = [10,30,40,45,60]
        sum(1,3) = ?
        ```
- [ ] Solve these basic prefix questions before moving on.
    - [ ] [Range sum query](#)
    - [ ] [Find pivot Index](#)
    - [ ] [Range-sum-query-2d-immutable](#)

- [ ] Other varieties of questions where prefix sum can be useful:
    (Make sure you read other solutions even if your solution is accepted for the problems below)
    - [ ] [Subarray sum equals K](#)
    - [ ] [Subarray Sums Divisible by K](#)
    - [ ] [Contiguous Array](#)

- [ ] More questions ([Prefix Sum Problems](#))
    - [ ] [Maximum Side Length of a Square with Sum Less than or Equal to Threshold](#)
    - [ ] [Intervals Between Identical Elements](#)