

# 2777. Date Range Generator Premium

Medium

Given a start date `start`, an end date `end`, and a positive integer `step`, return a generator object that yields dates in the range from `start` to `end` inclusive.

The value of `step` indicates the number of days between consecutive yielded values.

All yielded dates must be in the string format `YYYY-MM-DD`.

### Example 1:

**Input:** `start = "2023-04-01", end = "2023-04-04", step = 1`  
**Output:** `["2023-04-01","2023-04-02","2023-04-03","2023-04-04"]`  
**Explanation:**  
`const g = dateRangeGenerator(start, end, step);`  
`g.next().value // '2023-04-01'`  
`g.next().value // '2023-04-02'`  
`g.next().value // '2023-04-03'`  
`g.next().value // '2023-04-04'`

### Example 2:

**Input:** `start = "2023-04-10", end = "2023-04-20", step = 3`  
**Output:** `["2023-04-10","2023-04-13","2023-04-16","2023-04-19"]`  
**Explanation:**  
`const g = dateRangeGenerator(start, end, step);`  
`g.next().value // '2023-04-10'`  
`g.next().value // '2023-04-13'`  
`g.next().value // '2023-04-16'`  
`g.next().value // '2023-04-19'`

### Example 3:

**Input:** `start = "2023-04-10", end = "2023-04-10", step = 1`  
**Output:** `["2023-04-10"]`  
**Explanation:**  
`const g = dateRangeGenerator(start, end, step);`  
`g.next().value // '2023-04-10'`


### Constraints:

- `new Date(start) <= new Date(end)`
- `start` and `end` dates are in the string format `YYYY-MM-DD`
- `0 <=` The difference in days between the start date and the end date `<= 1500`
- `1 <= step <= 1000`

Seen this question in a real interview before? 1/5

Yes No

Accepted 426 | Submissions 523 | Acceptance Rate 81.5%

 Discussion (0)