



William Ting <williamdjting@gmail.com>

FW: Birthday Cake

1 message

William Ting <william_ting_2@sfu.ca>

Sat, Aug 12, 2023 at 6:07 AM

To: "williamdjting@gmail.com" <williamdjting@gmail.com>

From: Daily Byte**Sent:** Saturday, August 12, 2023 6:07:35 AM (UTC-08:00) Pacific Time (US & Canada)**To:** William Ting**Subject:** Birthday Cake

The Daily Byte

Good morning,

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Today's Byte

This question is asked by Amazon. You are at a birthday party and are asked to distribute cake to your guests. Each guest is only satisfied if the size of the piece of cake they're given, matches their appetite (i.e. is greater than or equal to their appetite). Given two arrays, `appetite` and `cake` where the i^{th} element of

`appetite` represents the i^{th} guest's appetite, and the elements of `cake` represents the sizes of cake you have to distribute, return the maximum number of guests that you can satisfy.

Ex: Given the following arrays
`appetite` and
`cake` ...

```
appetite = [1, 2, 3], cake = [1, 2, 3], return 3.
```

Ex: Given the following arrays
`appetite` and
`cake` ...

```
appetite = [3, 4, 5], cake = [2], return 0.
```

Thanks,
The Daily Byte

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