M Gmail   **William Ting <williamdjting@gmail.com>**

FW: Reap Children
1 message

William Ting <william_ting_2@sfu.ca>   Thu, Jul 20, 2023 at 6:10 AM
To: "williamdjting@gmail.com" <williamdjting@gmail.com>

From: Daily Byte
Sent: Thursday, July 20, 2023 6:10:19 AM (UTC-08:00) Pacific Time (US & Canada)
To: William Ting
Subject: Reap Children

The Daily Byte

Good morning,

Need help with yesterday's problem? Start getting solutions.

> Today's Byte

You are given two lists of integers and an integer representing a
process id to kill. One of the lists represents a list of process ids and
the other represents a list of each of the processes' corresponding (by
index) parent ids. When a process is killed, all of its children should
also be killed. Return a list of all the process ids that are killed as a
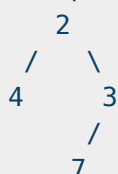result of killing the requested process.

Ex: Given the following…

```
pid  =  [2, 4, 3, 7]
ppid = [0, 2, 2, 3]
kill = 3
the tree of processes can be represented as follows:
        2
      /   \
     4     3
           /
          7
```

```
return [3, 7] as killing process 3 will also require killing
its child (i.e. process 7).
```

Thanks,
The Daily Byte

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